

19990225.qrp v01_n378.qrl.990225

Date: Thu, 25 Feb 1999 19:04:15 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1378

QRP-L Digest 1378

Topics covered in this issue include:

- 1) [34111] Peace Arch QRP & Band of the Welsh Guards
by "Bruce Prior" <n7rr@hotmail.com>
- 2) [34112] Slim Jim antenna for 2m
by "Kim Andersen" <ox3fv@greenet.gl>
- 3) [34113] Re: Saint Louis Vertical
by "Michael A. Newell" <wb4huc@texas.net>
- 4) [34114] Help--Who Started QRP Total Commitment Thread?
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 5) [34115] Re: WOW! a "Solid"Paperless QSO
by Ray Colbert <af852@rgfn.epcc.edu>
- 6) [34116] More Titanic
by Paul Harden <pharden@aoc.nrao.edu>
- 7) [34117] Re: CW misinformation in news
by "ALAN KAUL" <alan.kaul@worldnet.att.net>
- 8) [34118] Morse Code Useful Range
by K2UD@aol.com
- 9) [34119] Re: CW misinformation in news
by Larry Cahoon <wd3p@juno.com>
- 10) [34120] NC20 - Sections 12 & 14
by John Bohnert <johnb@elmhurst.edu>
- 11) [34121] Origin of "HAM"?
by SABorns@aol.com
- 12) [34122] TNX to Everyone for all the NE602/612 Info...
by "Gary McCaughey" <MAIL4GARY@worldnet.att.net>
- 13) [34123] Black Beauty arived
by Walter D Amos <waltk8cv@surfree.com>
- 14) [34124] Scout 555 to 556 Mod?
by W5TB <w5tb@softhome.net>
- 15) [34125] Whole-Drive Search Program?
by d.nordquest@juno.com
- 16) [34126] Radio Shack Manual CW Key?
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 17) [34127] Re: thanks!
by "George Heron" <gheron@nac.net>
- 18) [34128] Re: CW misinformation in news
by Walter D Amos <waltk8cv@surfree.com>
- 19) [34129] Re: Whole-Drive Search Program?

by Hank Kohl K8DD <k8dd@contesting.com>

20) [34130] Atlanticon talk preview #3: "Solar and Geomagnetic Storms - Simply Explained"

by "George Heron" <gheron@nac.net>

21) [34131] Re: Radio Shack Manual CW Key?

by Jeff Johns <jeffj@scott.net>

22) [34132] Re: Copper pipe for ground rod---Removal

by "John Gregory" <KV6E@usa.net>

23) [34133] Re: Morse Code Useful Range

by KB90CE@aol.com

24) [34134] QRP To The Field '99 - Heads Up!

by Joe Gervais <vole@primenet.com>

25) [34135] K8FF paddle assembly question

by PGSPersEng@aol.com

26) [34136] Home made Ladder line spacers

by "rohre" <rohre@arlut.utexas.edu>

27) [34137] Excessively long posts!

by "rohre" <rohre@arlut.utexas.edu>

28) [34138] Earth rods vs. buried wire

by "rohre" <rohre@arlut.utexas.edu>

29) [34139] Ten Tec 1254 kit superhet rcvr

by "rohre" <rohre@arlut.utexas.edu>

30) [34140] Fort Smith Hamfest

by Jay Bromley <w5jay@alltel.net>

31) [34141] Other solutions to Butterfly beam

by "rohre" <rohre@arlut.utexas.edu>

32) [34142] Re: Dipole Center Insulators

by George Gingell <k3tks@u1.abs.net>

33) [34143] Re: CW and SOS

by George Gingell <k3tks@u1.abs.net>

34) [34144] Differences In NE602/602A/612 ???

by James P Rybak <jrybak@mesa7.mesa.colorado.edu>

35) [34145] Re: Fox: Freaky conditions explained

by Paul Erickson <paule@sfu.ca>

36) [34146] Re: Slim Jim antenna for 2m

by Arjen Raateland <Arjen.Raateland@vyh.fi>

37) [34147] CW Practice (long)

by George Gingell <k3tks@u1.abs.net>

38) [34148] Re: Other solutions to Butterfly beam

by "John Moriarity" <k6qq@hdo.net>

39) [34149] Re: W1RFI/QRP/1

by N7YA@aol.com

40) [34150] Tayloe Stinger Rig

by "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>

41) [34151] Silver Contact Points

by Norm Melick <henmel@worldnet.att.net>

42) [34152] Re: Butterfly Beam

by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>

- 43) [34153] Re: WOW! a "Solid"Paperless QSO
by "Brian J Keegan" <brimail@home.com>
- 44) [34154] Re: Other solutions to Butterfly beam
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 45) [34155] Re: Need help with QSL addresses
by "dor" <elbc@pivot.net>
- 46) [34156] Thanks re RS manual key
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 47) [34157] TRANSISTOR C2078
by DONALD DORN <DDORN@CWIS.NET>
- 48) [34158] Re: TRANSISTOR C2078
by kaliic <kaliic@ime.net>
- 49) [34159] Re: Scout 555 to 556 Mod?
by W5TB <w5tb@softhome.net>
- 50) [34160] Re: Excessively long posts!
by "Bryan Turner" <turnerw@email.uah.edu>
- 51) [34161] RE: Merit BAdge resources
by Bcieslak@ra.rockwell.com
- 52) [34162] RE: CW misinformation in news
by "Michael St. Angelo" <mstangelo@worldnet.att.net>
- 53) [34163] Re: GQRP - Future of gqrp-l
by Ray Colbert <af852@rgfn.epcc.edu>
- 54) [34164] Re: Total QRP Committment
by af852@rgfn.epcc.edu (William R Colbert)
- 55) [34165] Re: QRP To The Field '99 - Heads Up!
by Ron Stark <ku7y@dri.edu>
- 56) [34166] Re: Fox: Freaky conditions explained
by "Tom Whiteside" <n5tw@igg-tx.net>
- 57) [34167] Re: Differences In NE602/602A/612 ???
by Chris Trask <ctrask@primenet.com>
- 58) [34168] Re: SWL needs top-notch radio.
by af852@rgfn.epcc.edu (William R Colbert)
- 59) [34169] Re: code speed.. qrp related, i swear!
by Peter Rabinowitz <kc2dpt@yahoo.com>
- 60) [34170] [34107] Re: CW misinformation in news
by Peter Rabinowitz <kc2dpt@yahoo.com>
- 61) [34171] RE: code speed.. qrp related, i swear!
by "Nathan Odle" <nodle01@mail.coin.missouri.edu>
- 62) [34172] Re: Total QRP Committment
by Pete Burbank <plburbank@kih.net>
- 63) [34173] QRP beacon
by "William H. Hays" <wj5o@juno.com>
- 64) [34174] Re: Pixie2 help (long)
by Peter Rabinowitz <kc2dpt@yahoo.com>
- 65) [34175] Re: It's QRP related - Honest
by Chris Cartwright <ccart@dns.vidtel.com>
- 66) [34176] Atlanticon '99 waiting list begins
by "David Maliniak" <dmaliniak@penton.com>

- 67) [34177] AR-QRP 40m Net Results (Long)
by Robsparks@aol.com
- 68) [34178] N/T+ FOX tonight!!
by applitech@mcg.net (Claton Cadmus)
- 69) [34179] Re: TRANSISTOR C2078
by "Steven Weber" <kd1jv@moose.ncia.net>
- 70) [34180] Re: Excessively long posts!
by "Mont Pierce" <montp@synacom.com>
- 71) [34181] NC20 - St. Luis Cases
by Rick Sealey <rsealey@InfoAve.Net>
- 72) [34182] Postpone Subscription
by "Greg Breeden" <al0a@hotmail.com>
- 73) [34183] Re: TRANSISTOR C2078
by "Mike Yetsko" <myetsko@insydesw.com>
- 74) [34184] Re: Pixie2 help (long)
by "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
- 75) [34185] big field day ops
by "J. Eric Jessen" <E.Jessen@orion-consulting.com>
- 76) [34186] Re: Paragon on QRP
by "Ray Pascoe" <ray@g3ioi.freemove.co.uk>
- 77) [34187] Re: Where to buy magnifier for NC20 assembly
by af852@rgfn.epcc.edu (William R Colbert)
- 78) [34188] Re: 73 URL
by Ray Colbert <af852@rgfn.epcc.edu>
- 79) [34189] Re: 73 URL
by af852@rgfn.epcc.edu (William R Colbert)
- 80) [34190] Best PC-based Scope and Spectrum Analyzer???
by James P Rybak <jrybak@mesa7.mesa.colorado.edu>
- 81) [34191] Re: Where to buy magnifier for NC20 assembly
by "Eugene Hall" <evhall@ix.netcom.com>
- 82) [34192] dumb question..
by sergio <sruiz@bright.net>
- 83) [34193] Norcal-20
by "Graham Firth" <Graham.Firth@BTinternet.com>
- 84) [34194] Re: Mercury Paddle
by "J. W. (Dub) Thornton" <dub@oklahoma.net>
- 85) [34195] WBL paddles
by paul brice-stevens <paul@g0wat.demon.co.uk>
- 86) [34196] Re: dumb question..
by "Alyn Backe" <ve6bpr@cnn.net>
- 87) [34197] Re: Norcal-20
by Saad Mahaini <Saad.Mahaini@MCI.com>
- 88) [34198] QSL maker
by "Edward A Kwik jr" <eakwikjr@hti.com>
- 89) [34199] Re: Where to buy magnifier for NC20 assembly
by "J. W. (Dub) Thornton" <dub@oklahoma.net>
- 90) [34200] Re: SWL needs top-notch radio
by Ed Loranger <we6w@qsl.net>

- 91) [34201] Re: Where to buy magnifier for NC20 assembly
by "Radman" <radman@best.com>
- 92) [34202] [Humor] Mailing Lists
by "J. Medley" <jmedley@ix.netcom.com>
- 93) [34203] Re: SWL needs top-notch radio
by Bruce Kizerian <kizerian@ced.utah.edu>
- 94) [34204] Re: QSL maker
by Bob Patten <n4bp@bc.seflin.org>
- 95) [34205] Re: Atlanticon talk preview #3: "Solar and Geomagnetic Storms -
Simply Explained"
by wd4et@juno.com
- 96) [34206] MINI-L:Update Information
by Bill Jones <kd7s@psnw.com>
- 97) [34207] Re: QSL maker
by Ron Keener <rkeener@realtime.net>
- 98) [34208] Re: QSL maker
by "Edward A Kwik jr" <eakwikjr@hti.com>
- 99) [34209] Looking For 24Hr Clock
by Kc7eay@aol.com
- 100) [34210] Only QRP? (was Total QRP Commitment)
by w4pj@w4bkx.ampr.org
- 101) [34211] IC count for NC20...
by Mighty Mik <mitymik@hooked.net>
- 102) [34212] Re: Looking For 24Hr Clock
by Jeff Johns <jeffj@scott.net>
- 103) [34213] Digital Storage Scope
by "Dasher, Mark" <DasherM@IRWIN.ARMY.MIL>
- 104) [34214] Heathkit CM-1 Capacity Meter Info?
by "L. Jeffrey Hetherington" <jhetheri@npiec.on.ca>
- 105) [34215] Re: Looking For 24Hr Clock
by Norm Melick <henmel@worldnet.att.net>
- 106) [34216] Re: Scout 555 to 556 Mod
by Charles Kadesch <chas@digizen.net>
- 107) [34217] NC20 AFA problem
by Rick Wilson <rickw@cfw.com>

Date: Wed, 24 Feb 1999 15:58:06 PST
From: "Bruce Prior" <n7rr@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [34111] Peace Arch QRP & Band of the Welsh Guards
Message-ID: <19990224235808.16522.qmail@hotmail.com>
Mime-Version: 1.0
Content-type: text/plain

PEACE ARCH QRP GATHERING

Sponsored by Northwest QRP Club and British Columbia QRP Club
Saturday, March 6, 1999
Harbor Cafe, 295 Marine Dr., Blaine, WA

BAND OF THE WELSH GUARDS - DOOR PRIZES - SHOW OFF YOUR RIGS
SALTWATER PROPAGATION
ARRL, ELECRAFT K2, EPIPHYTE III, EMTECH

Many amateurs will gather at the Harbor Cafe for a gab-fest at 10:00 a.m. The formal meeting will begin with a noon order-your-own lunch.

NORTHBOUND: Take I-5 Exit 276 just before the Canadian border. Turn left under the freeway to a set of lights in front of a Subway fast-food outlet. Turn right and cross the Burlington Northern-Santa Fe railroad tracks, continue 900 meters (0.6 miles) southwest past Blaine Marine Park to Harbor Cafe.

SOUTHBOUND from the Peace Arch border crossing:

Exit immediately right into downtown Blaine. Turn right again at a set of lights in front of a Subway fast-food outlet. Turn right and cross the Burlington Northern-Santa Fe railroad tracks, continue 900 meters (0.6 miles) southwest past Blaine Marine Park to Harbor Cafe.

SOUTHBOUND from the Blaine truck border crossing:

Drive south to a set of lights at H Street; turn right and continue over I-5 to the end of H Street at Peace Portal Drive. Turn right to a set of lights by a Subway fast-food outlet. Turn left and cross the Burlington Northern-Santa Fe railroad tracks, continue 900 meters (0.6 miles) southwest past Blaine Marine Park to Harbor Cafe.

DOOR PRIZES BNC dummy loads, EMTECH kits, perhaps others

FOUR SPEAKERS: -- Famous Low-Band DXer and newly-appointed ARRL Northwestern Division Vice Director, Jim Fenstermaker, K9JF, will talk about "The Future of Amateur Radio."

-- Elecraft's Eric Swartz, WA6HHQ, will discuss and demonstrate the brand new but already legendary all-band K2 transceiver kit, which has received rave reviews on the internet. People who cannot make it to the Peace Arch QRP Gathering may hear Eric on Friday, March 5 at 8:00 p.m. at the Burnaby Amateur Radio Club in a large hall in the Eastburn Community Centre, 7435 Edmonds, Burnaby, British Columbia. See <http://www.elecrafter.com>.

-- Prominent British Columbia historian and Fellow of the Royal Geographical Society, Derry Spittle, VE7QK, will talk about Epiphyte III, the latest version of his 75-meter SSB QRP transceiver series which have operated from Scotland and Antarctica and helped transform the British Columbia QRP Club into the premier Canadian QRP organization.

-- Scott Gregson, KC7MAS, will talk about the resumption of operations of the Washington QRP kit-maker Emtech following the passing of his

father. See <http://emtech.steadynet.com> .

SALTWATER PROPAGATION: Following the indoor meeting, weather permitting, we ll adjourn to the Blaine Marine Park for a QRP free-for-all where a sheltered picnic area and adjacent trees are ideal for testing slingshot antenna launching and the surrounding saltwater is great for propagation. Away from the trees there s plenty of clear sky for DC-grounded kite antennas. Amateurs can continue operating until dark. Bring your NC-20 s, HW s, Epiphytes, Emtech rigs, homebrew rigs, whatever!

BAND OF THE WELSH GUARDS - doors open March 6th at 1815 for 1900 concert at the Performing Arts Center on H Street at Blaine High School, admission \$10

TALK-IN: principal: 146.56 MHz simplex alternate: VE7RBY
repeater: 145.35 MHz -600 kHz

CONTACTS:

Motel List and other Blaine info: Bruce Prior, N7RR, P.O. Box 4472, Blaine, WA 98231-4472 (360) 332-6046 n7rr@hotmail.com

NW QRP Club: Bill Todd, N7MFB, P.O. Box 354, Bay Center, WA 98527 (360) 875-6777 bill@willapabay.org

BC QRP Club: Derry Spittle, VE7QK, 1241 Mt. Crown Road, North Vancouver, BC V7R 1R9 (604) 988-4565 jds@vcn.bc.ca

Tsawwassen ferry shuttle: Dave Barrett, VE7PCC, 4545-47A St., Delta, BC V4K 2P1 (604) 946-0653 (call before 8:30 p.m.) dbarrett@creo.com

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Wed, 24 Feb 1999 20:52:46 -0000
From: "Kim Andersen" <ox3fv@greenet.gl>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [34112] Slim Jim antenna for 2m
Message-ID: <00af01be6037\$ac6f5dc0\$3be2b1c2@ox3fv>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Where can I find description of a Slim Jim for 2m made of 450 Ohm = ladderline??. Need one for a my 2m handheld when going to London late =

march. Will operate from the hotel.=20

KimOX3FV

Kim Andersen
ARS OX3FV
Box 3
ZIP 3930 Groennedal
GREENLAND

ox3fv@greennet.gl

Date: Wed, 24 Feb 1999 18:21:11 -0600
From: "Michael A. Newell" <wb4huc@texas.net>
To: drcase@iastate.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [34113] Re: Saint Louis Vertical
Message-ID: <36D49777.CA786621@texas.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Dan:

See if this is what you're looking for:

<http://www.fix.net/~jparker/slv.html>

Hope this helps.

73,

Mike -- WB4HUC
Austin, TX
QRP-L 1668
<http://wb4huc.home.texas.net/omni-vi/> - The Unofficial OMNI
VI Web Site

Date: Wed, 24 Feb 1999 19:06:53 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D. (Doc) Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [34114] Help--Who Started QRP Total Commitment Thread?
Message-ID: <199902241911_MC2-6BA6-9816@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Gang:

Need help finding whoever *started* the thread on QRP and total commitment or something like that. I wrote to Fred (callsign) but have now lost all replies out of this computer. Don't know exactly what happened. But perhaps I lost a reply to an offer I made to Fred himself.

Help anyone? Thanks in advance.

72,
--Doc Lindsey/K0EVZ
DSBF
PO BOX 7187
Bismarck, ND 58507
70511.3041@compuserve.com

Date: Wed, 24 Feb 1999 17:36:16 -0800
From: Ray Colbert <af852@rgfn.epcc.edu>
To: qrp-l@lehigh.edu
Subject: [34115] Re: WOW! a "Solid"Paperless QSO
Message-ID: <36D4A910.183A@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I compare the ability to copy in one's head, carrying on a 'normal' conversation type qso one of the ultimate accomplishments of cw operations. Once one approaches that level, it is like being able to take the tourist's wortbuch and not have to use it again because

the fluency of the language is now at hand. Congratulations!!

Ray

--

Ray Colbert,
(also w5xe@juno.com)
El Paso, Texas (Far West Texas)

Date: Wed, 24 Feb 1999 17:40:55 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-1@lehigh.edu
Subject: [34116] More Titanic
Message-ID: <Pine.SOL.3.91.990224170427.21802A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

Years ago when I was in the sub service, I read the book TITANIC that was published in the early 1930's as all the law suits and court actions were wrapping up. It included gobs of testimony from the surviving crew, including the young radioman. It seems the contemporary stories have omitted some pertinent facts, of interest to use "radiomen" anyway.

In those days, the radiomen were not ships crew, but employees of the radio company they hired and subscribed to. There were two major companies that provided the equipment and operators: The Marconi Company in New York City and Telefunken in Germany. The Titanic was subscribed to Marconi. Shortly before the Titanic set to sea, there was a big flap about exchanging weather and iceberg information between ships, that is, between these two different companies. So Marconi Company issued an edict that any operator who "talked" to a Telefunken ship would be immediately relieved of duty upon his return. Telefunken, in turn, issued the same order to their operators. Therefore, at the time of the Titanic, Marconi operators did not talk to Telefunken operators and vice versa for fear of loosing their jobs. This is why the Titanic SOS's went unanswered by the CALIFORNIA, a Telefunken ship, which we know now was adrift for the night only miles away. The CARPATHIA was a Marconi ship, and at midnight when the operator checked his gear following some repairs, heard the SOS and was able to respond, even though they were some distance away.

The TITANIC's own transmitters were down earlier in the evening, and they were restored about 10pm. The onboard ships owner, Ismay, (sp?) had ordered the radioman to send all passenger traffic before they retired for the evening, collecting weather reports, etc. According to the radioman's testimony in this book, it was because Ismay wanted all the passenger messages to be sent, as it was a novelty (The Titanic was the first

passenger ship built WITH a radioroom, not added on later), and it would prove how fast the Titanic's Atlantic passage truly was. He saw it as advertising. So the huge backlog of passenger messages to family back home took priority, and prevented them from copying the iceberg alerts until late at night. When they did get the iceberg traffic, indicating nearby icebergs, it was given to the Officer of the Deck, who decided not to wake the Captain because it was late, even though against the Captain's standing orders. So he doubled the lookouts instead. 45 minutes later ... well, that part of the story you have no doubt heard by now!

Also in those days, there were no requirements for ships to keep a radio watch. They could work whatever hours they wished, because afterall, they were NOT ships crew, but employees of Marconi or Telefunken. This is why most ships had their radio gear turned off when the Titanic struck the iceberg around midnight. There were also no public broadcasts of weather information ... you had to get it (that is, pay for it) from either Marconi or Telefunken. All of these things, and other factors, is what led to much of what we know of communications today. The Coast Guard and Navy stations that broadcast weather information in (formerly) CW, voice, digital and WeFAX was all setup by congress as a perpetual public service as a direct result of the Titanic. Establishing SOS protocols and emergency calling and watch frequencies, manned 24 hours a day, is a result of the Titanic. And Dept. of Commerce rules (later the FCC) that allow anyone to use a radio (licensed or not) in an emergency, and making it illegal to NOT answer an SOS, are all fall-out from the Titanic and the Marconi/Telefunken battles. And making radioman a part of ships crew made them accountable to the Captain of the ship, not someone thousands of miles away.

I remember the author of this book said of the Titanic, it was an example of what happens when everything that can go wrong does! And so many of the lessons learned are still employed today and engrained into the format we still use in a simple CW QSO ... namely, who are you? and who am I? now required to be sent FIRST THING.

BTW, I haven't seen the movie yet, so don't the spoil the ending for me :-)

Just a little history lesson as I remember it, because I think hams and CW ops are all aware we're the product of some long traditions.

72, Paul NA5N

Date: Wed, 24 Feb 1999 16:58:04 -0800
From: "ALAN KAUL" <alan.kaul@worldnet.att.net>
To: <Dana.Myers@West.Sun.COM>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [34117] Re: CW misinformation in news
Message-ID: <19990225005631.CNIF20479@default>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

DANA WROTE:::

>

OK, let's try a little experiment, then. I'll collect a list of volunteers, all of them further than 200 to 300 miles from me, and I'll randomly call them up, any time of the night or day, and they have to *reliably* contact someone I appoint via HF Morse code. If they fail to make contact in a timely manner, we'll chalk up a sunken ship.

>Dana K6JQ

>Dana@Source.Net

>

GOOD IDEA! But to level the playing field, let's use 500kHz (the old international distress freq) AND use an antenna that would have been "shipboard-style" -- i.e. considerably shorter than the 900-foot half-wave resonant antenna length. Oh, yes, and since ships theoretically sink during any of the 24-hours in a day, let's try it an equal number of times during daylight and dark in the 24-hour period and average the results to see if we have "reliable" or "random" communication.

And to justify it's discussion on this list, let's specify QRP POWER!

72/73 de alan

Alan Kaul, W6RCL, LaCanada, CA e-mail: w6rcl@amsat.org
<http://home.att.net/~alan.kaul/index.html> or
<http://home.att.net/~alan.kaul/qrp.html>

Date: Wed, 24 Feb 1999 19:46:11 EST
From: K2UD@aol.com
To: qrp-1@Lehigh.EDU
Subject: [34118] Morse Code Useful Range
Message-ID: <67896734.36d49d53@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Didn't the writer of the article on Morse Code realize that we use CW

repeaters to extend our range beyond 200-300 miles? I thought everybody knew that.

Hardy har

Howard Kraus, K2UD

Date: Thu, 25 Feb 1999 01:15:46 +0000
From: Larry Cahoon <wd3p@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [34119] Re: CW misinformation in news
Message-ID: <19990225.011546.11238.4.wd3p@juno.com>

On Wed, 24 Feb 1999 15:12:16 -0800 "Barry L. Geipel - AD6HR"
<bgeipel@primenet.com> writes:

>
>Reliably? Enough to bank your life on it?
>
>I am an NTS CW Op, and there have been a number of times when
>our regional net could not go on because of unreliable
>conditions(within 300 miles).

I don't think 300 miles is the issue. The question is can you get help at your location. If you are out at sea the requirement is to get it to some one near you and may well demand radio communication to him/her. As a case in point the recent story on the rescue of the French racer in the solo round the world race is very relevant. All the communications were done VHF. But neither the one in need or the rescuer (a fellow racer 300 miles away) were ever in direct communication. In fact she didn't know help arrived until he knocked on the overturned hull of her sailboat. It was all done from both ships on VHS via satellite to fixed stations thousands of miles away.

On HF the same thing can be done. I can see that type of communication on the county hunter nets any time I tune in. There the fixed and mobile stations are trying to work the mobiles as they move from county to county. Any time a mobile is in a new county there are always a number of stations ready to work him. So many in fact that on the phone net they frequently limit the mobiles to ten minute runs so more mobiles can run the counties. Any one of those stations could relay emergency traffic. I have heard of many such instances. In fact the phone net assumes that any one coming is with a "BREAK BREAK" needs help and the net grinds to a halt to help the party in need.

Is HF the best or preferred mode, I doubt it, but it can work.

Now back to the good stuff.....got W3DYA/M in TX today at 35
mWatts - 25,000+ miles to the Watt.....

72/73 de Larry.....WD3Pin MD
AR WAS QRPP - 35 State 8.60 Watts
<http://www.erols.com/lejek/>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 24 Feb 1999 19:49:53 -0600 (CST)
From: John Bohnert <johnb@elmhurst.edu>
To: qrp-l@Lehigh.EDU
Subject: [34120] NC20 - Sections 12 & 14
Message-ID: <Pine.SV4.3.96.990224193522.3754B-1000000@elmhcx9.elmhurst.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

When I completed Section 12 and measured the voltage at the junction of
R98 & C94 I measured 0.15V while the manual indicates 0V is expected.
When I completed Section 14 and measured the voltage at test pad 'S'
during "AGC disable during transmit" I found 0.26V while the manual
indicates 0V is expected. These are the only variances I have found from
the Manual specifications during the various tests.

Is this deviation tolerable? A brief description of possible sources for
this situation would be appreciated.

Just a word -- I appreciate all of the various messages about procedures
to check out problems (troubleshooting suggestions), particularly the
strategies for alignment using an o-scope. Very helpful for the
'beginner.'

72 N9KW John Elmhurst, IL QRP-L 1257 NORCAL

Date: Wed, 24 Feb 1999 20:51:20 EST
From: SABorns@aol.com
To: qrp-l@lehigh.edu
Subject: [34121] Origin of "HAM"?
Message-ID: <15a07d9f.36d4ac98@aol.com>

Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

Here is one origin I have not seen before:

"There was also a dark side to telegraphic interaction; the best operators often felt nothing but scorn toward the small-town, part time operators they often encountered on-line, who were known as "plugs" or "hams."

From: "The Victorian Inernet" by Tom Standage pg 139-140. Walker and Co., NY

73, Steve K8IDN

Date: Wed, 24 Feb 1999 21:00:08 -0800
From: "Gary McCaughey" <MAIL4GARY@worldnet.att.net>
To: <qrp-l@lehigh.edu>
Subject: [34122] TNX to Everyone for all the NE602/612 Info...
Message-ID: <002101be607b\$bc4169c0\$c0dc4d0c@garymcca>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have one on the way. A list member in FL is sending me one. The Hams on this list are best. I could not find any reference when I checked the online ordering search on the Mouser Web Site. I had heard that the 602 was discontinued and figured if Mouser did not have it they must be all gone.

Thanks for directing me to some supplies.

Gary
W2UX
Lexington, SC

CW is the REAL THING, USE IT or LOSE IT!

Date: Thu, 25 Feb 1999 02:25:55 +0000
From: Walter D Amos <waltk8cv@surfree.com>
To: Qrp-l Reflector <qrp-l@lehigh.edu>
Subject: [34123] Black Beauty arived
Message-ID: <36D4B4B3.B8DC5644@surfree.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

OH, Tippy tap, tippy tap, Black Beauty arrived today! I just know my norcal 20 is the best looking in all of Royal Oak! It looks so much better in it's new San Luis Machine Company coat! They must have known it worked hard during the ARRL DX CONTEST getting more than 100 dx qso's and became "THE CHOSEN ONE" ! Oh happy dance, thank you Doug for the nice "BLACK BEAUTY" case!

Walt k8cv

Date: Wed, 24 Feb 1999 20:32:42 -0600
From: W5TB <w5tb@softhome.net>
To: qrp-l@Lehigh.EDU
Subject: [34124] Scout 555 to 556 Mod?
Message-ID: <3.0.3.32.19990224203242.0147258c@pop.SoftHome.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I would like to modify my Scout for QRP operation only. I am runing it at 5W now with the underside adjustment but I'd like to reduce the current draw and output power even more.

I understand Ten Tec had a sheet out on this but e-mail to them two weeks ago has yielded nothing. Does anyone have a copy of this? tnx

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@softhome.net <http://www.qsl.net/w5tb/>
NORCAL ZOMBIE ARRL Life Member QRP/ARCI # 3252
QRP-L #673 FISTS # 5365

Date: Wed, 24 Feb 1999 21:57:16 EST
From: d.nordquest@juno.com
To: qrp-l@lehigh.edu
Subject: [34125] Whole-Drive Search Program?
Message-ID: <19990224.220200.4823.0.d.nordquest@juno.com>

One of my hard drives crashed a month and a half ago. The repair program stuck the files together in weird combinations. Anyone know of a whole-drive search program that would let me look for specific words that could be anywhere within the mess? I only want to pull out a few choice items and postings.

Thanks!

73, Dave KE9ED

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 24 Feb 1999 21:58:15 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D. (Doc) Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [34126] Radio Shack Manual CW Key?
Message-ID: <199902242200_MC2-6BAB-99C9@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Gang:

Am in a bit of a jam, and need to find a manual morse code key. Am traveling away from the major metropolitan cities (sic) in the Dakotas. Anyway, does anyone know whether Radio Shack carries such an item? Sure hope so, but need to know before making a lengthy road trip. Will be watching this space... :-).

72,
--Doc Lindsey/K0EVZ
DSBF

PO BOX 7187
Bismarck, ND 58507
70511.3041@compuserve.com

Date: Wed, 24 Feb 1999 21:28:36 -0500
From: "George Heron" <gheron@nac.net>
To: "NJQRP" <NJQRP@njqrp.org>, "QRP-L" <qrp-l@Lehigh.EDU>, <sruiz@bright.net>
Subject: [34127] Re: thanks!
Message-ID: <026901be606b\$b87512c0\$2f327bd1@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The NJ-QRP Club has recently retired the Rainbow Tuner Kit
... but because of many requests for it, we may do something
else to help people along.

We may make some "partial kits" available (for a reduced
price). We have a number of left-over parts, and can still
order some PCB's, so this may help folks get some of these
neat half-wave tuner and SWR bridge kits working.

Another thing we will be doing, regardless, is to get the
complete Rainbow Tuner manual onto the club website. So in
addition to the schematic, app notes, and everything else up
there already, we will be getting the manual posted in PDF
format for people to use for building their own. (Just as
soon as I get some time ...)

The Rainbow Tuner Kit is a real nice tuner and SWR indicator
for portable use. It was a co-winner of the NorCal Design
Contest several years ago and was featured in both QRPP, QRP
Quarterly, and 73's QRP column. It also has a great
aluminum enclosure made for it by KE6RIE and that is still
available. You can see complete design details at
http://www.njqrp.org/rainbow/rb_home.html

Let us know if you're interesting in reviving the Rainbow
Tuner in some fashion. And if there's enough interest, we
will consider providing the whole kit for the QRP community.

72,
--George Heron N2APB
n2apb@amsat.org in Sparta, NJ

for the NJ-QRP Club at <http://www.njqrp.org>

=====
>i saw that the rainbow tuner is now being discontinued..
does anyone
>know of any other kit that would do the same thing?
>
>i think that the rainbow tuner looks like a really neat
kit...

Date: Thu, 25 Feb 1999 03:05:31 +0000
From: Walter D Amos <waltk8cv@surfree.com>
To: rerobins@email.uncc.edu
Cc: Qrp-l Reflector <qrp-l@lehigh.edu>
Subject: [34128] Re: CW misinformation in news
Message-ID: <36D4BDFB.5E0FA79E@surfree.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Rick:

500 something, I seem to remember 500 something, now lets see what, 500
hz , no , 500 kc, ah, close, 500 KHz that must be it, no cycles in those
days. Hum, might get 300 miles at night. Yeah, that's it, 300 miles at
500 KHz at night. Not much in the daylight though. Ah, spark, that comes
to mind! Lets see, didn't they use a CATS WHISKER or something for a
detector. Yeah, that's it!

Walt k8cv

Date: Wed, 24 Feb 1999 22:09:29 -0500
From: Hank Kohl K8DD <k8dd@contesting.com>
To: d.nordquest@juno.com
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [34129] Re: Whole-Drive Search Program?
Message-ID: <4.1.19990224220544.019abf10@192.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:57 PM 2/24/99 -0500, d.nordquest@juno.com wrote:

>..... Anyone know of a
>whole-drive search program that would let me look for specific words that
>could be anywhere within the mess? I only want to pull out a few choice
>items and postings.

Windows 95/98 Find will look for text.
Open Start | Find | Files or Folders.
Advanced Tab will let you select the text.
The Name & Location will let you select the drive.

73 Hank K8DD

Date: Wed, 24 Feb 1999 22:38:49 -0500
From: "George Heron" <gheron@nac.net>
To: "NJQRP" <NJQRP@njqrp.org>, "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [34130] Atlanticon talk preview #3: "Solar and Geomagnetic Storms -
Simply Explained"
Message-ID: <02db01be6070\$5dc444e0\$2f327bd1@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Man oh man, Atlanticon keeps getting better. More of the
QRP authors are finishing up their papers, and more people
are donating *very* cool door prizes for Atlanticon!

1) The Eastern PA QRP Club has just donated FIVE door
prizes!!! ... a Whiterook MK-33 Pocket Mini-Paddle, W1FB's
"Practical Circuits for Experimenters", W1FB's "QRP
Notebook", G6XN's "HF Antennas for All Locations", and Ade
Weiss' "The Joy of QRP". THANKS GUYS!

2) Paul Harden, NA5N will be presenting "Solar and
Geomagnetic Storms - Simply Explained" at the Atlanticon QRP
Forum. Paul's previous presentations of this topic have
been absolute standing room only events, and this adaptation
is also sure to be a hit for the Atlanticon attendees.
Here's a synopsis of Paul's talk and paper ...

"Paul's work at the observatory with PhD solar astronomers
has given him the unique opportunity to learn about HF
propagation and the solar phenomenon from the solar physics
point of view. And because so much of our understanding of
the sun has changed so drastically in the past few years,

much of the information presented in his talk can not be found in contemporary publications. Paul's easy-to-understand style will allow the audience to understand the true nature of solar and geomagnetic storms, the meaning of the solar flux, K and A indices, how to interpret solar reports, the effects on HF communications, with special emphasis for the QRP operator. Talk includes overhead projector diagrams, followed by a Q&A session."

Paul Harden, NA5N works for the National Radio Astronomy Observatory on the Very Large Array (VLA), the worlds largest radio telescope, in Socorro, New Mexico (where they filmed "Contact.") He has worked as an Electronics Technical Specialist for 22 years, located in Socorro, New Mexico (where they filmed "Contact."). Specifically, Paul works on the LO and IF portions of the system.

Paul was first licensed in 1963 as WN0NOW, and has been continuously licensed since. His interest in QRP was spawned about 6 years ago upon obtaining an MFJ 9030 to supplement his non-WARC QRO rig, and he's been hooked ever since. Paul explains "In fact, without the joy of fellow QRPers, I would probably be inactive today."

You can see all information for the free Atlanticon QRP Forum, sponsored by the NJ-QRP Club, at its website <http://www.njqrp.org/atlanticon/> or by sending a message to EMBOT@NJQRP.ORG with SEND ATLANTICON in the message body.

72/73,

--George Heron, N2APB

n2apb@amsat.org in Sparta, NJ

for Atlanticon and the NJ-QRP Club at <http://www.njqrp.org>

Date: Wed, 24 Feb 1999 21:45:16 -0600

From: Jeff Johns <jeffj@scott.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [34131] Re: Radio Shack Manual CW Key?

Message-ID: <199902250345.VAA07950x@scott.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 8bit

Content-Transfer-Encoding: 8bit

On Wed, 24 Feb 1999 21:58:15 -0500, "Wilford D. Lindsey"
<70511.3041@compuserve.com> wrote:

> Anyway, does anyone know whether Radio Shack carries such an item? Sure

Not anymore :(I remember seeing them there when I was a kid. I guess you
could always buy a switch while you were there and fabricate your own custom
one quite easily <grin>. Although it's extremely underused, I'm quite fond
of my old J-38 key.

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Wed, 24 Feb 1999 20:01:05 -0800
From: "John Gregory" <KV6E@usa.net>
To: qrp-l@lehigh.edu
Subject: [34132] Re: Copper pipe for ground rod---Removal
Message-ID: <199902250401.XAA07649@hil-img-ims-4.compuserve.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Hi to all,

I'm responding to Karl-W8TIF saying that he was never able to pull
one out. I had to do this a couple of years because of some new
construction and I found an easy way to do that too. Just use a
car jack and connect it to the pipe with a large visegrip pliers or
heavy duty clamps. I had to reset the clamps a couple of times
before the rod was free. This was in soil with a lot of clay and it
was very solid when I started.

73 to all reading this John G. in Garden Grove, CA

Date: Wed, 24 Feb 1999 23:00:00 EST
From: KB9OCE@aol.com
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [34133] Re: Morse Code Useful Range
Message-ID: <1436d1b7.36d4cac0@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

<singing> It's a small world after all, it's a small world after
all...etc...HIHI

Just goes to show that you can't believe everything in the news media. Wasn't
it Art Bell who originally taught us that?

73
Mike Truax, kb9oce
Portage, In
manufacturer of
KB9OCE's "Novel-Keys"
<http://hometown.aol.com/kb9oce/index.html>

Date: Wed, 24 Feb 1999 21:14:05 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [34134] QRP To The Field '99 - Heads Up!
Message-ID: <199902250414.VAA01093@usr01.primenet.com>

Howdy Folks,

I realize it's a bit early, but since going to the field
takes extra planning, figured it's best to get the ball
rolling for....

...the 5th Annual NorCal "QRP To The Field" 'Fest!

Exactly two months from today, it'll once again be time for us to head to the field and work on our tans while basking in the sunspots. :)

Saturday, April 24th is the Big Day(tm) and, due to popular demand, the theme is "Back to the Borders". *8-)

Full announcement will be posted here soon, as well as on the NorCal website and in the next issue of QRPP. So start looking at those maps, finding some operating buddies (including some newbies to QRP if ya can!), and building those field radios. RF and nachos for all! Huzzah! *8-)

More to follow soon. Back to the data mines....

"Hi Ho, Hi Ho, let's cleanse the dataflow,
With checksums right and ACK/NAK's tight,
Hi Ho, Hi Ho...."

Cheers de AB7TT,

-Joe, vole@primenet.com, NorCal Contest Critter

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Wed, 24 Feb 1999 23:28:55 EST
From: PGSPersEng@aol.com
To: qrp-1@lehigh.edu
Subject: [34135] K8FF paddle assembly question
Message-ID: <678a9112.36d4d187@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang,

More than a year ago, I gave as a Christmas gift to a close friend a set of the K8FF paddles. He's finally getting around to putting them together and has a question, one I really can't answer. Who's the resident K8FF paddle expert? Is there a web site with a collection of mods and tips? Can somebody on The List help him? He's not a regular reader of The List, so please respond to him directly at alex.ai2q@worldnet.att.net.

Thanks,
Paul, AA1MI QRP-L #360

[[start message]]
Hiya Paul:

The NORCAL kit I have refers to a pair of 6-32 set screws that are black and another pair that are "stainless steel." It seems that all the set screws supplied in my kit are stainless steel, or at least the same color. Non seem magnetic. None are black in color.

Two pair measure 6-32 x 3/8-inch. Another pair are shorter at 6-32 x 5/16ths of an inch. Which is the so-called "black" pair, or which is used (long or short) where in the key's assembly?

Vy 73, AI2Q, Alex in Kennebunk, Maine .-.-.
[[end message]]

Date: 24 Feb 1999 22:34:59 -0600
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-l@lehigh.edu
Subject: [34136] Home made Ladder line spacers
Message-ID: <n1292226732.13711@msmailgw1.arlut.utexas.edu>

Just back from job duties and K2 Beta building:

On home made ladder line, I once experimented with much smaller wire than the #14 proposed, and for spacers found a plastic clamp in McCoys Home Centers chain, which has two nails in it and is intended for some sort of tubing clamping. By removing the brad sized nails, I was able to use some enameled coil wire as my ladder line conductors. It worked, but the cost of the overall operation in materials and labor time did not make it worthwhile. Just go to the web site for Press Jones, "The Wireman" and order his 300 ohm twin lead cable, or his 450 ohm #16 conductor if you comtemplate really QRO conditions. The #16 is stranded, and easier to coil up and reuse than the #20 solid conductor windowed ladder line that has been more common. Of course, the #20 costs less. I think the 300 ohm costs less, too, and is much better quality than "TV twin lead".

Speaking as a VERY satisfied customer,
Stuart K5KVH

Date: 24 Feb 1999 22:47:46 -0600

From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-l@lehigh.edu
Subject: [34137] Excessively long posts!
Message-ID: <n1292226010.59841@msmailgw1.arlut.utexas.edu>

Sheeesh!

Did no one hear Chuck Adams ask that re quoting be kept
to a minimum? Someone even goes and reposts all his
Mercury paddle post!!!

I got a faster computer which helps handle the huge volume of
email on QRP-L, and it was working, but the volume
keeps going up with excess reposting! I can't hit the D key
fast enough it seems. This is from the digest, too.

Is it feasible to create a digest that truncates quoted
matter after a couple of lines?

There are a lot of good questions like the ladder line
and ground rod subjects that would be more fun with-
out the requotes overly long.

Thanks for your consideration of us digest users.
72, Stuart K5KVH

Date: 24 Feb 1999 23:13:35 -0600
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-l@lehigh.edu
Subject: [34138] Earth rods vs. buried wire
Message-ID: <n1292224450.53007@msmailgw1.arlut.utexas.edu>

Earth rods and buried wires are used for safety grounding by utilities and
should be used by ham station installations for lightning protection.

No, it will not improve your signal from a dipole, beam or other already
balanced antenna (also quad or loop or vertical half wave dipole). But it
will help conduct lightning more evenly into the earth, rather than your shack
if done correctly. This means in most locales, a single rod will not bring
you down to the preferred 5 ohms of earth resistance. Our local electric
utility has to contend with this, as the "soil" is mostly rock, about 18
inches down on the west side of town, and very rocky throughout our area.

They developed a computer program to calculate what would be an effective
safety ground, meeting the low resistance criteria. If you
cannot drive an 8 to 12 foot rod in your area, you might adopt their
methods. Use bare copper #10 wire, and put a 200 foot loop of it around your

shack, or rather the building containing your shack. Bond telephone earth connection, electric earth wire, metal water pipe, etc. to this same circular loop. If you are so lucky to have to use more than 200 feet of wire to encircle your shack, that is fine as well. This can be trenched in fairly shallow, which around here is about 12 inches. Bare copper will last very well in this application.

You should also have a central window of ground and antenna leadins, thru a protective metal conductive plate, and provision there for grounding your feeds and rotor lines in severe weather. Even power is brought thru such windows in repeater sites, along with the phone line, for the best protection.

(Cable chokes are used there on the phone and electric power to the repeater site.) This would be the earthed plate to which you would connect transient suppressors in your feedlines. Incidentally, the gas gap refills for those can be bought for the type of suppressor which uses a UHF Coax sized element , and an ordinary UHF Tee can be used instead to plug this element into, (one arm), while the other two form the thru line for the antenna feed coax. Costs less than the factory UHF suppressor with that same replaceable element. Be sure the ground screw of this element is not hooked to earth with a soldered connection! As someone pointed out solder can vaporize in a surge and certainly in near direct hits.

Your best protection is to disconnect all rigs and accessories from the antennas in stormy weather. (We don't see rain without lightning!!)

Now if your antenna is a random wire, or quarter wave vertical, helical whip, screwdriver, etc. you will benefit in efficiency for RF reference or "ground" by having radials or counterpoise wires for each band used. No, the best array of ground rods will, in poor soil, never approach the effectiveness of the counterpoise cut to the frequency or the radial cut to the frequency in use.

Hope this is helpful to the new antenna farm in the making.
Stuart K5KVH

Date: 24 Feb 1999 23:43:05 -0600
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-l@lehigh.edu
Subject: [34139] Ten Tec 1254 kit superhet rcvr
Message-ID: <n1292222635.59356@msmailgw1.arlut.utexas.edu>

Some one was looking for for a superhet. This is a fine receiver, but a \$195 kit. However, it should be possible to modify the ceramic filter with a little daughter board stuck in there with a crystal filter substituted, or the Inrad filters, with post amp. There is a need to couple this receiver with coax fed antenna, but some of us are thinking about a way to fix the display

LCD radiation to preclude the coax antenna feed need. But on the other hand for serious SWL use, you will want a real tuned antenna, maybe even a log periodic or yagi beam or mini beam.

Of course, you could order a k2, and not build the transmitter final :-)
It has really variable filters under microprocessor control. :-)
72, Stuart K5KVH

Date: Wed, 24 Feb 1999 23:53:01 -0600
From: Jay Bromley <w5jay@alltel.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [34140] Fort Smith Hamfest
Message-ID: <36D4E53D.A73B11CF@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

Just an update and there is a lot of information to give everyone planning to attend. I don't know really where to begin, but I will try to do my best. The first biggie is Chuck Adams will join Doug Hendricks for a joint QRP forum.

The forum will start at 10:00 a.m. with 20 minute intervals and last for about 3 hours. There will be 10 minute breaks in between for refreshments, ect. The format is a pretty open one. I will let Doug and Chuck comment on this. I know Doug will bring a NC-20 and Chuck has been working on a "top secret" 40m version of the NC-20 so maybe he can bring it. For those always wanting to talk to their QRP heroes on a more personal level Fort Smith is the place to be on March 13th.

Prizes, we have more prizes. In addition to the NC-20 give-a-way (courtesy of NorCal) we are giving away three Dave Benson's SW-40's along with the Elmer 101 issue of QRPP. This was a great series along with a great rig. This is one of NorCal's all-time great QRPP issues. Paul Harden, NA5N, is donating three of his "Data Book for Homebrewers and QRPers" manuals. I have one of my own, it is a real treasure!!

If you can't make it and you still want a chance to enter in the drawings just send me an entry fee for \$5.00 and mark your memo section on your check QRP. Mail to the following address:

Jay Bromley
W5JAY
9505 Bryn Mawr Circle

Fort Smith, AR. 72908-9256

If you're in or near Arkansas this is a must attend QRP event. Here is where I need some help, we are planning to go out to eat afterwards. I need a head count so we can make plans on where to eat. Under the advise of Dave, NR0F, we need to keep Doug's strength up, so this is pretty important. We want to show Doug our Southern Hospitality.

For those that are Internet challenged and need more Hamfest information, like motels, maps, contact Kelsey, KK5KU, kk5ku@amsat.org
For those on the Web, check out <http://www.qsl.net/fsaarc/>
Also in QST on page 92 March issue.

Well guys that's it. We have two world class speakers, great prizes, and a facility that's as good as any in the country. Please spread the word, bring a friend, and let's have a great time!

73 de w5jay..

phone 501-648-9138
work 501-651-7012

Date: 24 Feb 1999 23:55:33 -0600
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-l@lehigh.edu
Subject: [34141] Other solutions to Butterfly beam
Message-ID: <n1292221899.7579@msmailgw1.arlut.utexas.edu>

There was a query in past digests I am only now catching up to, on the Butterfly beam. I believe it has been said they are tedious to tune up. Certainly, you could build a wire beam much more cheaply than to buy one.

The reader should become acquainted with L. B. Cebik's series on small beams that was in "Communications Quarterly" back issues, (CQ publishing company). I believe similar material on them may still be on his web site, His call is W4RNL. These were studies of the various G-land and VK small beam efforts, which in some cases folded the elements in to almost touch except for a common button used as an insulator.

These were wire mini beams. They were reported to be quite effective for their size. Multibanding was possible as well. Moxon discusses them in his antenna book from the RSGB in England. This book is sold thru ARRL and other ham radio book stores in USA and should be readily available, and has numerous small antenna ideas.

Another place where L. B.'s fine material appears is in the pages of

"Antennex" the web antenna magazine. There are a number of limited space antennas on their preview articles section, even if you don't pay for the full subscription. There is an interesting Crossed Field antenna design being discussed there as well. Much smaller vertical than conventional resonant verticals used in AM broadcast service.

And for other interesting antenna ideas, W6RCA, Cecil has a great web site. In this mail program I do not have access to a list of bookmark URLs, but your search engines on the calls should speedily turn up the sites. They are linked from a number of the QRP web sites as well, and from general ham radio web links.

72, Stuart K5KVH

Date: Thu, 25 Feb 1999 01:11:52 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Cc: bccheshire@worldnet.att.net
Subject: [34142] Re: Dipole Center Insulators
Message-ID: <Pine.BSI.3.96.990225005442.514A-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Brian and Others,

In regard to how to deal with 450 Ladder Line and the PVC Pipe Dipole Center Insulator. I will attempt to describe one method that I have used.

Take a piece of Wooden Dowel (Broom Handle works) cut off about 2" piece then slice it in half with fine blade saw (I use Razor Saw) Then lay the ladder line on one of the flat sides of the dowel and mark the edges and holes. Then use the router, a dremmel Tool or hack saw, chisel etc and carve out the grooves and squares to allow the ladder line to fit firmly in the middle of the sandwich (Wood Dowel). Strip about two inches of the end of the ladder line to allow connection to the antenna wires. If you are not sure what the antenna will be, just cut about 12" of #12/#14 Stranded wire insert it thru the holes of the end caps and tie a knot in it to keep it from pulling out then solder to the ladder line and assemble the works. Pipe glue and silicon caulk will keep it all dry and together for a long time. The Ladder line sandwich with plug halves is just forced up into the bottom of the PVC Tee. You can drill a couple of 1/16" or smaller holes in the PVC and drive in a couple of Wire Brads (BRASS Esutacion Pins) work well.

You can even add an eye Hook at the top if you like.

OTOH you can just go out and buy a "Ladder Grabber" and have all the work done for you by the factory. Check with EMTech, I believe they still handle the "Ladder Grabber"

Yes, I have one that I bought from Roy but, being cheap I like to make things myself. :^)

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
Notary Public and Locksmith Services
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301)572-6789
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Date: Thu, 25 Feb 1999 01:25:53 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [34143] Re: CW and SOS
Message-ID: <Pine.BSI.3.96.990225011358.514B-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

While I believe the the article was technically correct about the 200-300 mile range of CW at SEA and Reliable Communications. Most of us expect a lot better than that with A LOT LESS POWER than normally used in that type of operation. Many don't realize that the Frequency in Question was 500Hz NOT HF BANDS.

I am sure that the Sattelite Equipment has a higher reliability factor than the Plain Old CW Signals. What concerns me is what about the Small Craft that Don't have that High Dollar Equipment? Seems like CW Backup would be prudent to have. I will bet that a lot of smaller craft will have Ham Radio Gear on board. HF CW still goes further than VHF Marine.

Planning on taking a Cruise this summer? Pack a NC20 and a hank of wire in the suitcase. Just thinking will the NC20 go up to the MAritime Net Freq. ?

Just a thought..

I bet you most people know SOS if nothing else :^)

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
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Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Date: Wed, 24 Feb 1999 23:53:53 -0700 (MST)
From: James P Rybak <jrybak@mesa7.mesa.colorado.edu>
To: qrp-l@lehigh.edu
Subject: [34144] Differences In NE602/602A/612 ???
Message-ID: <Pine.OSF.3.91.990224235046.6685C-100000@mesa7.mesa.colorado.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

If this was asked previously, I missed it. What are the differences in these chips as far as the uses in dc receivers, etc. are concerned?

Thanks.

Jim Rybak W0KSD

Date: Wed, 24 Feb 1999 22:55:05 -0800 (PST)
From: Paul Erickson <paule@sfu.ca>
To: n5tw@igg-tx.net
Cc: qrp-l@lehigh.edu (qrp)
Subject: [34145] Re: Fox: Freaky conditions explained
Message-ID: <199902250655.WAA15617@fraser.sfu.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Tom,

Want to know something even funnier. For the first half hour or so, I was having to crank the audio gain up really high. It wasn't until the rate slowed down a bit, that I had a chance to look at the ts850 more closely and discovered that BOTH attenuators were in. Murphy struck by me going into someone elses shack... I wonder... the guy who's station I used is the same one who, a couple of years ago during field day, was checking out the rig he was using on 40 meters and pushed in the "timer" button on the ts940... well later that night after I had taken over that station, and was having a good run on cw, all of a sudden the rig went dead... Wasn't until the owner relieved me, that we found out what was wrong... I now have two ts940's so know better, but not then... I'm beginning to wonder about this friend ;-)

Murphy strikes in mysterious ways...

cheers, Paul VE7CQK/email: paule@sfu.ca

>
> Its Wed afternoon here and I was just doing some benchpresses - what has
> this to do with QRP you ask? You haven't seen my skinny body... But I
> digress. From my window I can see my tower from the weight room and
> something just did not seem right... My top set of beams are pointing off
> to the southeast - could have sworn they were still pointing North at
> VE7CQK! I check and, sure enough, I must have plugged my top rotor control
> into the bottom rotor and visa versa!! (I have a small tribander part way
> up the tower with a side mount that is supposed to go to the lower rotor!
> This helps explain why I could barely hear Paul on the 40M beam but could
> copy ok on my NE Beverage antenna... Some of you may have noticed the (QRO
> I think) station from Puerto Rico that kept calling N5TW N5TW DE KP4xxx when
> I would call the fox... I thought that seemed odd last night!!!!
> Sheesh - good ears Paul! Haven't done anything this dumb since running
> for half an hour during FYBO with the ZM-2 on tune!!! Oh well, back to the
> exercise room to work off more tension waiting for the K2...
>
> Tom Whiteside
> N5TW Georgetown, TX QRPL# 1474 FISTS # 4422
>
>

Date: Thu, 25 Feb 1999 06:53:58 +0000
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: ox3fv@greenetnet.gl
Cc: QRP-L <QRP-L@lehigh.edu>
Subject: [34146] Re: Slim Jim antenna for 2m
Message-ID: <36D4F386.3B3D@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

> Where can I find description of a Slim Jim for 2m made of 450 Ohm ladderline??.
Need one for a my 2m handheld when going to London late march. Will operate from
the hotel.

Kim and gang,

I copied a J-pole design from somebody who presented his work at a ham
ralley in Holland years ago. I've made a few of these antenna's with
Wireman CQ-553 cable (stranded type).

The design was said to have been published in an article by W1ICP in CQ
July 1994, but I have never seen the article myself.

I have searched the Internet for the design, but never found anything
else than those that make use of 300 Ohm cable. I hope somebody could
unearth the original article for us. In a pinch I could try and describe
what I've got.

cheerio,
Arjen, OH2ZAZ
--

Arjen Raateland
SAS Support
Finnish Environment Institute, Helsinki

AX.25: OH2ZAZ@OH2RBI.FIN.EU

Date: Thu, 25 Feb 1999 02:00:10 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: Richard Brummer <obvious@bestweb.net>
Cc: QRP List <qrp-l@Lehigh.EDU>
Subject: [34147] CW Practice (long)
Message-ID: <Pine.BSI.3.96.990225012609.514C-100000@u1.abs.net>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Dick,

Just finished reading QRPL Digest. Thought I would share a few comments with you on learning the code.

I recommend that you continue using W1AW code practice on a regular basis with a couple of other methods as supplements.

The first and most important part of your practice is NOT to try writing down the code. Just listen and don't worry about what you miss. The second VERY IMPORTANT thing is to ONLY Listen to those Sessions That Start at A Higher Speed and Step Down as they progress. At first you will hear only a buzz, then gradually you will pick out a few characters then a word here and there before you know it you will be copying solid.

You will be caught be surprise when they announce that the speed is 20 WPM :^)

I used to listen to W1AW every evening after dinner until bedtime. Did that for a year before I went for my exam back in '78 sure worked for me.

I have also used some of the Computer programs (Super Morse & Morse Tutor) with very good success. I am especially keen on those which read ASCII text in Code. I have taken technical papers from work and typed them into the computer and then play them back at 25-35 wpm and just relax and read the copy. Here is where I believe memorization is actually a benefit.

Since you know what you typed, it makes the copy easier to read. That way you can let it run a bit faster and still get benefit from it.

You could just as easily use the newspaper for copy. You might also want to check and see if Chuck, K5FO still has the CW section on his Web Page. You will find a mess of great code tips on that one for sure.

While I agree with the fact that On The AIR practice is good, It also has it's dangers as well. One is that not everyone can send real good code. It is hard to beat Machine Sent code for learning.

One good idea that we have done in the past is to have two CW Keyboards or Computers to send the code and just sit around in the shack or wherever and have a CW QSO with a friend who is also learning. No Talking, All conversation via CW. This works!

Last but not least, I will pass along a tip from my Old DR. (SK) he once told me to try reading street signs in code as I drove to and from work. You have to pretend that you are a code practice Oscillator and actually

make the sounds, whistle or hum, not DAH DIT DAH DIT DAH DAH DIT DAH :^)

It Must sound like REAL CW TONES. The idea is that you will make and HEAR the sounds at the same time helping to imprint the characters in your brain. This is very helpful in the early stages of learning.

Remember CW is SOUND, AUDIO, TONES, NOT -.-. --.- etc.

OBTW Chuck also had some Super Code Tapes That he Made himself.

One I recall was the "40 WPM" "4 Letter words Tape" (From Hell :^)

No, Not BAD 4 LTR Words, Just NORMAL ? Spacing between words :^)

I would get a few words then my Brain would Do a few NO Ops then Lock up :^)

I never did get to where I could copy the whole tape :^)

I think It is still in the car. :^)

Hope some of this is useful. Guess I'll send this to the list in case some others find a bit of help in it.

GL es CUL on the bands.

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net

QRP A.R.C.I. Net Manager and Board of Director Member.

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Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Date: Wed, 24 Feb 1999 23:06:30 -0800

From: "John Moriarity" <k6qq@hdo.net>

To: <rohre@arlut.utexas.edu>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>

Subject: [34148] Re: Other solutions to Butterfly beam

Message-ID: <045701be608d\$5f6592a0\$0f424cd1@k6qq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: rohre <rohre@arlut.utexas.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Wednesday, February 24, 1999 10:40 PM
Subject: Other solutions to Butterfly beam

>There was a query in past digests I am only now catching up
to, on the
>Butterfly beam. I believe it has been said they are
tedious to tune up.
>Certainly, you could build a wire beam much more cheaply
than to buy one.
>
>The reader should become acquainted with L. B. Cebik's
series on small beams...

Interestingly, L.B. uses a Butterfly Beam.

72,

John, K6QQ

Date: Thu, 25 Feb 1999 02:22:17 EST
From: N7YA@aol.com
To: qrp-l@lehigh.edu
Subject: [34149] Re: W1RFI/QRP/1
Message-ID: <f80d1ce.36d4fa29@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 2/23/99 3:30:50 PM Pacific Standard Time, w1rfi@arrl.net

writes:

<< I will concentrate on 21.060+-, but
may try some 40 M if I can get a reasonable antenna whipped into a
tree. >>

Id like to see Merlin do that!! turning an antenna into a tree would be
impressive indeed....sorry, it just cried out for me to post a funny. :-)

73...Adam, N7YA

Date: Thu, 25 Feb 1999 01:52:05 -0800
From: "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>
To: qrp-l@lehigh.edu
Subject: [34150] Tayloe Stinger Rig
Message-ID: <19990225015204.A5158@dolphin.openprojects.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Anyone know where I can find the schematics to this rig? Also, where can I
find a more in-depth analysis of the Tayloe product detector?

Thanks for the assistance in advance.

=====

KC5TJA/6		- TEAM DOLPHIN -
DM13		Samuel A. Falvo II
QRP-L #1447		http://www.dolphin.openprojects.net
Oceanside, CA	

Date: Thu, 25 Feb 1999 01:55:36 -0800
From: Norm Melick <henmel@worldnet.att.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [34151] Silver Contact Points
Message-ID: <36D51E18.A35BD24A@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

If anyone out there has a source for silver contact points,
I'd appreciate a private e-mail. I know someone on this
list occasionally sells these at a good price, but I'll be
darned if I can find the past posts on this subject.

72,
Norm/KQ6SD

Date: Thu, 25 Feb 1999 06:29:08 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: "Ross S. Crossland" <rossgolf@flash.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [34152] Re: Butterfly Beam
Message-ID: <Pine.GS0.3.96.990225061920.6572A-100000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Ross,

Assuming no loading, the butterfly is simply a way (or actually, several ways) of spreading the element vertically as you move away from center in order to shorten its side-to-side dimension. Some bulders use a center straight element and end pieces to hold wires that go back to the center. For 10 meters and above, some designs have omitted the center bar and just used the outline of the "wing."

With as ratio of side to side length to vertical height of about 4:1, the length will be about .7 to .75 of a full size dipole. When the angled wires are at 45 degrees, the side-to-side length is about .5 of a full size dipole. However, at that extreme, the size is about that of a quad loop and a quad loop will give more gain--and take more vertical height--than a dipole.

For parasitic operation, a butterfly requires the same spacing as a Yagi with linear elements.

The butterfly shows a bit lower feedpoint impedance than a straight dipole--and beams show proportionally lower impedance than their flat counterparts.

Besides shortening the side-to-side measurement, the other cheif benefit of a butterfly is that it is somewhat more broadbanded than a dipole, holding a lower rate of change of the feedpoint resistance and reactance.

Butterflies are, of course, more complex machanically than straight dipoles.

Hope this is useful.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	(Off)(423) 974-7215
1434 High Mesa Drive	/	\	\	\	----	/\---	(Hm) (423) 938-6335
Knoxville, Tennessee	/\	\	\	\	/	/ /	(FAX)(423) 974-3509
37938-4443 USA	/	\	\	\			cebik@utk.edu
URL:	http://web.utk.edu/~cebik/radio.html						

Date: Thu, 25 Feb 1999 06:30:08 -0500
From: "Brian J Keegan" <brimail@home.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [34153] Re: WOW! a "Solid"Paperless QSO
Message-ID: <000d01be60b2\$35973620\$12960318@cc1016490-a.vron1.nj.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Steve,

Congrats and keep at it. Copying in one's head, especially a good ragchew, is a skill to be proud of. The first time I did that I was on vacation in Maine. I was having a very nice QSO with a VE3 on 40 meters (VE3RED I think). Our turns were short and simple so I had no need to write anything down. At one point however he started to go into long explanation on something or other. I noticed the fire was dying out and needed a log ASAP. And there were no logs in the cabin. I had to bite the bullet, go to the front porch for some logs, and tend to the fire. All the while Red was going on and on in the background. And I didn't miss a word! It was great. The next time I turned it over to him I went to the icebox for a drink, swept the floor, and opened a few windows. The entire time Red was in the background. The QSO went on like this for almost 1.5 hours.

That was one of the best ragchews I ever had. Not only had I realized I no longer needed to write everything down during a QSO but moving about the cabin doing stuff while Red was "talking" was like having a friend right there in the room talking to me. It gave me a whole new way to experience CW QSOs. Now when I'm working in the radio room I sometimes tune into a CW ragchew and follow along in my head while I work. That, by the way gang, is an excellent way to learn head copy. Tune into a QSO and just listen. You'll be amazed how easy it really is.

Brian KF2HC

Date: Thu, 25 Feb 1999 07:21:08 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: John Moriarity <k6qq@hdo.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [34154] Re: Other solutions to Butterfly beam
Message-ID: <Pine.GS0.3.96.990225070927.6572G-100000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

>
>
>Interestingly, L.B. uses a Butterfly Beam.
>
>72,
>
>John, K6QQ
>
Interesting, but by all means be careful. My use is because it is suited to my needs, and my needs may differ very greatly from those of others on the list.

The archives should have a detailed report on my experiences with the antenna in response to past inquiries. The commercial version has advantages in terms of weight and size for a compact installation and has stood up well over the years. However, it takes patience to initially set the multitude of matching assemblies, and good 2-el gain occurs only from 15 meters up (with 12 m reversed). Below, it is about a dipole, with a little directivity on 20 meters. For casual operation, it suits me. However, since the price has nearly doubled, I do not know if I'd do it again--or possibly try one of the Tennadyne LPDAs or a C3 or something else for max coverage of the upper HF region with a bit of directivity--which is all I need.

However, it is far short of what the avid dxer or contestester might need/want. If you have the \$, beefy rotation and support system, and space for a guyed tower, then more fully capable antennas may better do your job.

To shorten elements on 40, a butterfly layed out flat might work--if you have the supports. Otherwise, full size wire beams are in order. If the yard is too small, then a Moxon rectangle might do the job--it can be made reversible by making two driven elements and center loading the one you

want to be a reflector with a coax stub to a center switching point. Still, this is about 70% full side-to-side span. Anything smaller may take one of the several ways of loading the elements. However, do not underspace the elements for good parasitic action.

-73-

LB, W4RNL

Date: Thu, 25 Feb 1999 07:43:13 -0500
From: "dor" <elbc@pivot.net>
To: <brian@iquest.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [34155] Re: Need help with QSL addresses
Message-ID: <003401be60bc\$6992d060\$d31199d0@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Brian Murrey <brian@iquest.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Tuesday, February 23, 1999 10:27 PM
Subject: Need help with QSL addresses

>Hi there...i think I asked this last week but I've switched computers
>and lost my mail. Sorry about that.
>
>Anyway...
>
>On 02/17/99 at 01:10 UTC I worked a Cuban station ID'd as CM2WE he said
>his name was Pablo and he was in Havanna City.
>
>On 01/30/99 at 04:30 UTC I worked a Cuban station ID'd as C02HT he said
>his name was Pedro and he was in Havanna City as well.
>
>I have been unsuccessful in locating QSL address info for these two, and
>I promised them each a QSL card.
>
>Can anyone help?
>

>Thanks

Hi Brian,

The only way to be sure of a qsl from cuba is via the buro and wait..
if you send them direct they don't usually get delivered
73 dave
>

Date: Thu, 25 Feb 1999 07:40:35 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D. (Doc) Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [34156] Thanks re RS manual key
Message-ID: <199902250745_MC2-6BD1-E@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Gang:

Thanks for the useful replies to my question about a manual key from Radio Shack. Got the information needed to solve my problem. Good luck one and all for tonight's FOX hunt.

BTW--tonight is another chance at two FOXES....both a regular FOX and an N/T+. Let's all give them a great hunt :-).

72,

--Doc Lindsey/K0EVZ
DSBF
PO BOX 7187
Bismarck, ND 58507
70511.3041@compuserve.com

Date: Thu, 25 Feb 1999 06:54:03 -0600
From: DONALD DORN <DDORN@CWIS.NET>
To: QRP-L@LEHIGH.EDU
Subject: [34157] TRANSISTOR C2078
Message-ID: <36D547EB.7EB9@CWIS.NET>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Folks,

The Maxon CB that some of us converted to 10M awhile back (thanks to Steve Kd1JV) uses an output transistor designated as a C2078. I am not sure if that is a house number or what. This seems to be a pretty good transistor, putting out two to four watts at 29 MHz. I would like to buy some of them. Are any of you familiar with this critter?

Don K5AAR Lake Eufaula, Ok.

Date: Thu, 25 Feb 1999 20:05:35 -0800
From: ka1iic <ka1iic@ime.net>
To: DDORN@CWIS.NET
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [34158] Re: TRANSISTOR C2078
Message-ID: <36D61D8F.5D80@ime.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Don and all,

The transistor is a 2SC2078. They drop the '2S' for some reason but that is what the beast is...

Have a good day and a better tomorrow!!

73
Vince
ka1iic
-.-.

DONALD DORN wrote:

>
> Hi Folks,
> The Maxon CB that some of us converted to 10M awhile back (thanks to
> Steve Kd1JV) uses an output transistor designated as a C2078. I am not
> sure if that is a house number or what. This seems to be a pretty good
> transistor, putting out two to four watts at 29 MHz. I would like to buy
> some of them. Are any of you familiar with this critter?
>

> Don K5AAR Lake Eufaula, Ok.

Date: Thu, 25 Feb 1999 07:21:17 -0600
From: W5TB <w5tb@softhome.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [34159] Re: Scout 555 to 556 Mod?
Message-ID: <3.0.3.32.19990225072117.00751ea4@pop.SoftHome.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:32 PM 2/24/99 -0600, W5TB wrote:

>I would like to modify my Scout for QRP operation only. I am runing it at
>5W now with the underside adjustment but I'd like to reduce the current
>draw and output power even more.

Here's the answer (tnx Floyd NQ7X !) It confirms what looking at the rig
and schematic told me. An easy mod es one easy to undo. Floyd's other mod
(a pot on the rear panel of the Scout to replace the one on the PCB) makes
sense if you don't want to go milliwatting or reduce battery drain.

From: flydnq7x@primenet.com (Floyd Smithberg)

I mounted a pot on the rear panel of my Scout to replace the one on the PCB.
Never did the TT Scout to Argo mod. However, here's the TT Scout single page
instructions for the QRP Mod that disables the 50W final.

"...be aware that the power/SWR meter will no longer be accurate. Use
external power meter."

1. Remove the bottom cover.
2. Remove coax plug from connector 61 on the PA block.
3. Remove coax from connector 55 on the main board. Insert the plug
removed from 61 into connector 55.
4. Unsolder or clip the RED and WHITE T voltage lines. How you do this will
determine the ease of re-converting the Scout to 50W. These lines are
located next to each other on the main board. To find them, look down
on the main board at about the half way point of the power amp block.
5. Tape these two wires, so they will not ground out. Replace the cover.

GL>

73 Floyd NQ7X Phoenix ScQRPion

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@softhome.net <http://www.qsl.net/w5tb/>
NORCAL ZOMBIE ARRL Life Member QRPARCI # 3252
QRP-L #673 FISTS # 5365

Date: Thu, 25 Feb 1999 08:03:16 +0000
From: "Bryan Turner" <turnerw@email.uah.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, rohre@arlut.utexas.edu
Subject: [34160] Re: Excessively long posts!
Message-ID: <199902251403.IAA11602@uahis1.uah.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

This is a losing battle. I liked the digest, but gave up on it because of the volume of junk. To save the heartburn, just go to individual messages and filter out everyone who excessively reposts, has huge signature files, posts irrelevant material, posts a dozen messages a day, &c. This is also great for filtering topics that don't interest you.

73 Bryan W8LN

> Did no one hear Chuck Adams ask that re quoting be kept
> to a minimum?

> I got a faster computer which helps handle the huge volume of
> email on QRP-L, and it was working, but the volume
> keeps going up with excess reposting! I can't hit the D key
> fast enough it seems. This is from the digest, too.
>
>

Date: Thu, 25 Feb 1999 08:13:41 -0600
From: Bcieslak@ra.rockwell.com
To: henryf@quartz.gly.fsu.edu
Cc: qrp-l@lehigh.edu
Subject: [34161] RE: Merit BAdge resources
Message-ID: <86256723.004DF6A8.00@ramilwsmt01.ra.rockwell.com>
Mime-Version: 1.0

Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

I have been working on a page to handle the radio merit badge...While it is still under construction it is to the point where it is starting to be useful....Make note of the requirements...they changed in 99 so your booklet may be old.

<http://www.qsl.net/ae9k/radio.html>

Brian AE9K

Date: Thu, 25 Feb 1999 09:23:50 -0500
From: "Michael St. Angelo" <mstangelo@worldnet.att.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [34162] RE: CW misinformation in news
Message-ID: <01BE60A0.9658FA00@51.newark-01-02rs.nj.dial-access.att.net>

"Richard E. Robinson" wrote:

>
> <snip> ...
>
> >> > But Morse's system has its drawbacks. For one, radiotelegraphy has a
> >> > limited range of 200 to 300 miles, Kohn says. It can be affected by the
> >> > weather

I used to work for ITT Worldcom. In the 1970's they still had point to point HF circuits to South America. A good 'operational' circuit had to have a reliable connection for a given percentage of time or else it was not considered 'operational'. They used frequency and space diversity to achieve this and their calculations were very conservative.

I believe the range of 200 to 300 miles had to do with the reliability criterion of the circuit. You can work much further with HF, as we all know, but the probability of achieving a good connection over a long span of time goes down.

ITT's WSL receiving stations was located in Southhampton, Long Island. I visited there before it closed down and found it a fascinating mix of old and new technology. They used antique paper tape machines to send CW messages and new Watkins-Johnson

receivers to receive. (Some operators felt the ICOM R71 receiver, which was new at that time,
was just as good as the \$8000 WJ receivers.)

The last point to point station they had operational was a diplomatic HF RTTY circuit between New York and Havana. They used two SP600 SuperPro receivers, both fed of an external High Stability Local Oscillator that was as large as the receiver. It was still operational because Cuba did not want to move the circuit to a satellite service.

73,

Mike St. Angelo N2MS

Date: Thu, 25 Feb 1999 07:52:37 -0800
From: Ray Colbert <af852@rgfn.epcc.edu>
To: dave.g0dja@psilink.co.uk, qrp-1@lehigh.edu
Subject: [34163] Re: GQRP - Future of gqrp-1
Message-ID: <36D571C5.6C0F@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I noticed the message that Peter send out yesterday about finding a way to continue - that was great news. Now, this morning, I find that both of my subscriptions to the Gqrp-1 were unsubscribed overnite. So I guess I will sit back and see what is going on while my confusion subsides.

--

Ray Colbert,
(also w5xe@juno.com)
El Paso, Texas (Far West Texas)

Date: Thu, 25 Feb 1999 08:02:45 -0700 (MST)
From: af852@rgfn.epcc.edu (William R Colbert)
To: qrp-1@lehigh.edu
Subject: [34164] Re: Total QRP Commitment
Message-ID: <199902251502.IAA29474@rgfn.epcc.edu>

Well, I too have qro capability up to maybe 60 or 70 watts. Most times tho, I use either the FT757sxII at the 4.5 watt level, hw7 with Icom R70 receiver at the 1 watt level or the FT707 at 5 watts or less. I also have an old Tempo 2020 as a backup, which I run at qrp levels but have yet to pull the 6146's and either run the 12by7 straight thru or change them for 2E26's. At times it is necessary to increase power to 10 or maybe even 25 watts to complete a qso or make a necessary contact (not in a qrp contest or for any other qrp award) due to propagation conditions or qrm. (So said W1FB) So, I think that if you do have a qro rig, use it as a qrp rig, but keep the capability of increasing power in case it is needed.

73

Ray

--

Ray Colbert, W5XE
00TC 3618, SOWP 1064M
El Paso, Tx (FAR WEST TEXAS!)
also: w5xe@juno.com

Date: Thu, 25 Feb 1999 07:09:25 -0800 (PST)
From: Ron Stark <ku7y@dri.edu>
To: Joe Gervais <vole@primenet.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [34165] Re: QRP To The Field '99 - Heads Up!
Message-ID: <Pine.SOL.3.96.990225070823.12278B-1000000@vortex.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 24 Feb 1999, Joe Gervais wrote:

> "Hi Ho, Hi Ho, let's cleanse the dataflow,
> With checksums right and ACK/NAK's tight,
> Hi Ho, Hi Ho...."

Hey Joe,

You've been nibbling too many bytes....

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....

....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Thu, 25 Feb 1999 09:39:42 -0600
From: "Tom Whiteside" <n5tw@igg-tx.net>
To: "Paul Erickson" <paule@sfu.ca>
Cc: <qrp-l@lehigh.edu>
Subject: [34166] Re: Fox: Freaky conditions explained
Message-ID: <002001be60d5\$1109ad60\$8f21f0cd@g517v>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

That is great!!! You seemed to not be hearing anyone based on hearing your
CQs, ?, etc which reenforrced my feeling that conditions were just bad...
Very funny

Tom Whiteside N5TW Georgetown, TX
Beaming SE for revenge for FL Pesky Texan comments - hi
-----Original Message-----
From: Paul Erickson <paule@sfu.ca>
To: n5tw@igg-tx.net <n5tw@igg-tx.net>
Cc: qrp <qrp-l@lehigh.edu>
Date: Thursday, February 25, 1999 12:55 AM
Subject: Re: Fox: Freaky conditions explained

>Hi Tom,
>
>Want to know something even funnier. For the first half hour or so,
>I was having to crank the audio gain up really high. It wasn't until
>the rate slowed down a bit, that I had a chance to look at the ts850
>more closely and discovered that BOTH attenuators were in

Date: Thu, 25 Feb 1999 08:49:20 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: James P Rybak <jrybak@mesa7.mesa.colorado.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [34167] Re: Differences In NE602/602A/612 ???
Message-ID: <Pine.BSI.3.96.990225084837.7324A-100000@usr08.primenet.com>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 24 Feb 1999, James P Rybak wrote:

>
> If this was asked previously, I missed it. What are the differences in
> these chips as far as the uses in dc receivers, etc. are concerned?
>

It's mostly just the difference in the numbers printed on the top of the part. The 612 is the extended temperature commercial part.

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      / extinct stuff, anyhow? \
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Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Thu, 25 Feb 1999 08:52:13 -0700 (MST)
From: af852@rgfn.epcc.edu (William R Colbert)
To: we6w@qsl.net, qrp-l@lehigh.edu
Subject: [34168] Re: SWL needs top-notch radio.
Message-ID: <199902251552.IAA04595@rgfn.epcc.edu>

-I would suggest that your friend (or you) go to the Universal Radio at <http://www.universal-radio.com> or Grove Enterprises at <http://www.grove-ent.com> websites and have a look at their new as well as used lists - maybe if time permits, order up their catalog

for pictures, etc. There are a number of receivers out there, and only one I would 'NOT' recommend is the Drake SW-1. Reason is it is for AM mode only. A large number of SW broadcast stations are now starting to broadcast in USB and the AM capability for a swl receiver will be a real handicap. AOR has the AR-8000 series smaller than a handi-talkie receiver which is not bad if one is not close to a broadcast transmitter (we had about 15 of them in use at work before I retired) and they cover from .010 Mhz to about 2.1 Ghz. The new Alinco DJ-X10T covers the same range and modes N/Wfm, AM U/LSB, CW 1200 memories, pc programmable, timers, backlit display, etc but I don't know the price, one would have to go to the catalog or website for that - many dealers of SWL receivers do offer discounts. Last price I had heard on the AOR was in the 5-600 dollar range, so the Alinco could be competitive. There are also others. Hope this helps, Ed.

73

#P.S. While at the Grove website, he can also have a look at the sampling info for Monitoring Times magazine, covering SWL info from SW broadcast, to utility stations to amateur, etc. Used to have a column by Doug DeMaw, W1FB, up until his passing.

73 Ray

--

Ray Colbert, W5XE
OOTC 3618, SOWP 1064M
El Paso, Tx (FAR WEST TEXAS!)
also: w5xe@juno.com

Date: Thu, 25 Feb 1999 10:53:53 -0500
From: Peter Rabinowitz <kc2dpt@yahoo.com>
To: QRP-L <QRP-L@lehigh.edu>
Subject: [34169] Re: code speed.. qrp related, i swear!
Message-ID: <36D57211.3DB28618@yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

See, now I was wondering about that. I just got my code ticket so I'm not speaking from experience, but I would imagine that you want your code sending to be a natural thing, so you are going to send where you are comfortable. To slow down would require a lot of effort, where sending at your fastest speed would be natural. We'll see when I get on the air.

On another note, I ordered a qrp kit and it came with a crystal outside the Novice portion of the band. This was not mentioned in the advertisement, just what band it was in. I'm not going to mention the company's name. When I emailed the company about it, they were willing to sell me a new crystal, but I feel I was ripped off. I ordered a kit from another company and it came with a crystal that was in the Novice portion.

I guess I have two points here. The first is: do most qrp kit companies assume we are beyond Novice? Is this cool? Maybe they should mention the frequency in the ad. Or let the customer request a crystal in or out of the Novice portion right from the start.

The second point is: in the name of customer service, I think the aforementioned company should have send me a new crystal for shipping charges only. It was their mistake. Input anyone?

Date: Thu, 25 Feb 1999 10:59:10 -0500
From: Peter Rabinowitz <kc2dpt@yahoo.com>
To: QRP-L <QRP-L@lehigh.edu>
Subject: [34170] [34107] Re: CW misinformation in news
Message-ID: <36D5734E.F2F494@yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
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> Reliably? Enough to bank your life on it?

> I am an NTS CW Op, and there have been a number of times when our regional

> net could not go on because of unreliable conditions(within 300 miles).

> I would agree with the limited range with respect to reliable reproducible contacts

> of the 24-7 variety; the kind needed for commercial and emergency use.

Ah, but his "ship" is probably on a mountaintop with a big antenna. :)

Date: Thu, 25 Feb 1999 10:23:51 -0600
From: "Nathan Odle" <nodle01@mail.coin.missouri.edu>
To: <kc2dpt@yahoo.com>, <qrp-l@lehigh.edu>

Subject: [34171] RE: code speed.. qrp related, i swear!
Message-ID: <000101be60db\$3b6917c0\$8dc9ce80@nathan.missouri.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Peter Rabinowitz wrote:

>The second point is: in the name of customer
>service, I think the aforementioned company
>should have send me a new crystal for shipping
>charges only. It was their mistake. Input
>anyone?

It sounds like the company didn't make a mistake, Peter. If they accidentally shipped a different crystal than they normally ship, that would have been a mistake. However, since they shipped the standard crystal they were just doing what they normally do. They don't "owe" you a new crystal, in my opinion.

Now, perhaps they didn't note the operating frequency in their ad. That might have been nice to know. Were I a kitter, I probably would include this information. However, one could also make the point that you didn't bother to ask, you just assumed it covered the Novice portion. Most 40m kits I've seen focus more on the General and up part of the band. Bad assumption to make on your part. However, being new to the HF hobby, this is probably an easy mistake to make. Experience is something we get right after we needed it ;) Bite the bullet, and give them a few bucks for the new xtal. Later on when you get your 13wpm, plop in the old xtal (which you'd have to buy later if the kit had come with the Novice xtal originally), and enjoy yourself.

73,
Nathan
KB0NNV

Date: Thu, 25 Feb 1999 11:26:22 -0500
From: Pete Burbank <plburbank@kih.net>
To: af852@rgfn.epcc.edu
Cc: <qrp-1@Lehigh.EDU>
Subject: [34172] Re: Total QRP Commitment
Message-ID: <3.0.32.19990225112619.006a0020@kih.net>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

t if you do have a qro rig, use
>it as a qrp rig, but keep the capability of increasing power in case it
>is needed.
>73
>Ray
>
>--
>Ray Colbert, W5XE
>00TC 3618, SOWP 1064M
>El Paso, Tx (FAR WEST TEXAS!)
>also: w5xe@juno.com
>
>Well said Ray...my feelings exactly. I've worked Europe with
a 2N2222 final but you have to crank it up sometimes to
make copy easier on the other guy. A dogmatic attitude about
QRP is not healthy and may cause ear-strain and high blood
pressure at the receive end...not to mention foul language.
Yes ..not in a QRP contest and normally not on a QRP frequency.
A real plus about QRP is that it makes you aware of the entire
chain of communication. By this I mean -operating skills-
mode skills-connections -rig and antennas.
Thanks for your words about being flexible.
72 or 3---whatever blows your dress up. Hi!
Pete W4VCT
Somewhere South of Nonesuch, Ky.

Date: Thu, 25 Feb 1999 10:24:34 cst
From: "William H. Hays" <wj5o@juno.com>
To: QRP-L@LEHIGH.EDU
Subject: [34173] QRP beacon
Message-ID: <19990225.102436.-6289.0.WJ50@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Makes for good Watts per mile.
Copied the S55ZRS beacon into South Texas
1 Watt into a Ground Plane from Mt Kum, Slovenia.
28.250MHz Can You hear it?

73 Bill "Sparkling City by the Sea" WJ50/BCN 28.289MHz
Corpus Christi, Texas

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 25 Feb 1999 11:49:37 -0500
From: Peter Rabinowitz <kc2dpt@yahoo.com>
To: QRP-L <QRP-L@lehigh.edu>
Subject: [34174] Re: Pixie2 help (long)
Message-ID: <36D57F21.E9810808@yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

This is a summary of the responses to my inquiry. My comments are mixed throughout in <>s.

"Richard E. Robinson" rerobins@email.uncc.edu
I just finished putting together an SMiTe, which as I understand it is an SMT version of the Pixie2. I had a problem with the audio output oscillating, nothing out of the receiver but a loud buzz. It turned out to be one of the electrolytics was poorly soldered and broke loose. I would try touching a 10uF electrolytic across the electrolytics in the receiver, I think there are 3, and see if the loud noise goes away. If it does, you've found your defective cap or connection.
Being away from my SMiTe, I can't give you any voltages readings but I'd first check all solder connections for bridges or bad connections. I like to tap circuits while powered up with a plastic tooth brush to see if anything is loose.

<I'm fairly certain my connections are good. I don't see any solder bridges and all the parts seem solidly connected to the board.>

"David Burniston" davidgb@nortelnetworks.com
Best bet is to get a 3.58 colorburst crystal. This will allow you to hear W1AW. It has a very strong signal at night and will help you see if the receive part is working at all. You can get the crystal at Radio Shack.

<I seem to remember the crystal as being real close to that frequency. 3.574 or something like that.>

Howard Kraus K2UD@aol.com

What is your power supply? With a 9V battery I found I had to reduce the value of the resistor feeding DC to the 386 IC. Forgot what value, but the "oscillation" in the audio amp went away when it was getting 5V. Someone else lowered that value even more so the chip would get enough operating current. He changed it to 470 ohms.

<I touched another 1k resistor to R5 (also 1k) which should have resulted in lowering the resistance to 500ohms. This didn't seem to have any effect.>

"John J. McDonough" jjmcd@tm.net

When I first built my Pixie, I got a steady and loud noise out of it, kind of a motorboating. I shortened the leads to everything, especially the 2 inductors standing next to each other (I don't have the schematic handy). That did it - I suspect there was some sort of feedback going on.

<My leads under the board are all as short as can be. Except for the crystal cause I may want to swap it out and reuse it somewhere else. On top of the board, all the components are standing on edge so one lead is kinda long. Not sure what I will try yet.>

Martin Allen info@hopeandallen.com

<This guy had a lot of input. Edited for length and absence of punctuation :)>

If the pixie is working corectly it will be a very dificult receiver for the beginner to use. It is very novel. We use the final transistor as a mixer/detector and pass audio of to the audio amp so not much tuning and filtering and that means you are quite broad and subject to BCI. If the radio is working you will hear a rush of noise and a whine. The sigs will be very weak sometimes just a change in the background but when they are on freq they can be pretty good... by pixie standards . It is not easy but it works. If this is your first radio... then you pick one that will test your abilities...there are better ways to go as a novice.

<Maybe I should get something a little bigger like the 40-40.>

Some of it depends on the antenna. Sounds silly but true. Mine works best on tune antenna like dipole. The output is not tuned, it is a low pass filter. You will need a tuned antenna or an impeadance matching network for your random wire. Try a dipole or build a matching network.

<This still might be the problem. I only have a dipole for 2m right now and no room for an 80m dipole. I'll figure something out. Probably have

to go up to the roof.>

I use high impedance phones but another amp will do like computer amp speakers.

Lowering the voltage on the LM386 is good; just hang a zener diode from that line, 5.1 volts or 5.6, what ever radio shack has. The chip will work on higher voltage but it may help. Look at the schem I uploaded to my web page and then you can see what i did:

<http://www.qsl.net/wa6otp>.

Date: Thu, 25 Feb 1999 12:53:39 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@lehigh.edu>
Subject: [34175] Re: It's QRP related - Honest
Message-ID: <Pine.LNX.3.93.990225124348.3484B-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 24 Feb 1999, Larry Cahoon wrote:

> Ever work a 23A at field day?

Yowza!! That's a CW *and* SSB op on every band between 160 and 2 meters! (or 900Mhz if you skip WARC) With one spot left over for the 2M FM stuff. That would be 50 to 100 ops rotating through the chairs during field day. Sounds like a logistics nightmare. Where do I sign up:)

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Thu, 25 Feb 1999 12:01:01 -0500
From: "David Maliniak" <dmaliniak@penton.com>
To: qrp-l@lehigh.edu, njqrp@njqrp.org
Subject: [34176] Atlanticon '99 waiting list begins
Message-ID: <85256723.005EBA4D.00@mail.penton.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Well, it's official: the Atlanticon '99 QRP Forum is now a "sell out." That is, the number of preregistered attendees has reached the maximum that the local authorities will allow us to pack into the hotel meeting room we've reserved.

We certainly would not want to create a potentially hazardous situation at the event by exceeding the room's legal occupancy limit. So... I've been forced to establish a waiting list for badge numbers. If you send me mail requesting a badge number, I'll now respond with your position on the waiting list (which numbers three as of this moment).

As Registration Chair for Atlanticon, I'd like to request everyone's cooperation. If, for some reason, you should determine that you will be unable to attend Atlanticon, *please* inform me ASAP by e-mailing me at dmaliniak@penton.com. That will enable me to give your badge number and seat to another deserving QRPer who is waiting for a spot.

Thanks in advance for your early cooperation!

72, David N2SMH
for the New Jersey QRP Club

Date: Thu, 25 Feb 1999 12:06:07 EST
From: Robspark@aol.com
To: qrp-1@lehigh.edu
Subject: [34177] AR-QRP 40m Net Results (Long)
Message-ID: <aa485bae.36d582ff@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

The AR-QRP Net last night had 18 QNIs amid crowded band conditions. We were able to occupy the freq at 0130Z thanks to a QSO that I had going with K5Z=TY.
Thanks, Bill! The band started off in fair shape, but, true to form, became progressively worse as the net went on. What is truly amazing is the patience and tenacity of QRP ops. Regardless of how many times I asked for repeats = of calls, everyone came back again and again so I could get it right. Thanks! =

A note about last week's net from Winter park, CO: Thanks to my 12-year-old son I was able to get the SLV antenna set up on a snow bank. Watching him get it there was reminiscent of the famous picture of the Marines raising the flag on the hill in Iwo Jima. The radials snaked tendril-like down the sides of the snow bank and the fierce wind occasionally caused them to rear up like a Medusa. It was quite a spectacle. I fired up the OHR, but the band, was totally dead. I checked "everything". We were in the midst of a blizzard then, so I did not know if a dead band was typical during a blizzard (I'm from Louisiana and a blizzard is as rare as an honest politician=85). Anyway, I was unable to get the net going. A check the next morning revealed a broken coax center conductor at the junction to the PL 249 connector. New rule: check everything before a trip. Everthing.

One more thing: My son had a few words of wisdom to add when we failed to get the rig working in the snow: "Any good idea is OK if it works." And the idea of the single letter check-in is a good idea that does not work for QRP in noisy bands. Let's go back to full call for QNI in the future!

Here are the stations that checked in:

K5ZTY=09=09Bill
VE3VA=09=09Jeff
K4NK=09=09Les
W2XN=09=09Fred
N0WM=09=09Wm
K0SA=09=09Tim
K9UT=09=09Jerry
N3XRV/M=09Chris
NF0R=09=09Dave
WE6W=09Ed
AB8DF=09Ed
W3/ 8P9BM=09Alan
KQ5U=09=09Terry
K8DD=09=09Hank
W0LK=09=09Bob
VE3SP=09Ron
N0TU/M=09Steve
KT4PM=09Joe

The NCS was Bob AB5ZD, QTH Alexandria LA, running 11 watts to a G5RV up in the pecan trees. Orientation of the ant wire is NNW to SSE. Following is a list of Arkansas QRP Club nets:

Monday Night=09=090130Z =093.560 MHz =09N9ZZ =09=09=09Bob AR #1 is NCS
Wednesday Night =090130Z=097.042 MHz=09AB5ZD=09=09Bob AR #277 is NCS

Non-members are welcome (and encouraged) to QNI!

72,

Bob AB5ZD

Date: Thu, 25 Feb 1999 11:15:32 -0600
From: applitech@mcg.net (Claton Cadmus)
To: "QRP-1" <qrp-1@lehigh.edu>
Subject: [34178] N/T+ FOX tonight!!
Message-ID: <017f01be60e3\$016520c0\$a10a5e2c@groucho>

Just a reminder, I will be your N/T+ Fox for tonight. I will be serving Fox QSO's from 20:00 to 22:00 CST (2:00 to 4:00 next day UTC). Will start out around 7.108MHz.

73 de KA0GKC Claton Cadmus
cla@mcg.net
MNQRP #1
Minnesota QRP'ers we're looking for you!
Email me or visit this page <http://www.qsl.net/mnqrp>

Date: Thu, 25 Feb 1999 12:50:30 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: DDORN@CWIS.NET
Cc: qrp-1@lehigh.edu
Subject: [34179] Re: TRANSISTOR C2078
Message-ID: <199902251735.MAA02430@moose.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

> uses an output transistor designated as a C2078. I am not

2SC2078 is indeed the full number. The 2S is never marked on Jap transistors.

BTW, you can tell what the transistor is by the first letter.

A = high freq PNP C = high freq NPN K = N channel FET

B = low freq PNP D = low freq NPN

Anyway, the C2078 does make a good qrp rig final. Easy to get 3-5 watts out of it with out a lot of drive.

Dalbani (1-800-325-2264) has them for \$0.89 each, \$0.80 in 10's. But thier min order is \$20.00, so maybe someone will do a group by?

72,

Steve, KD1JV in the white Mountains of New Hampshire

"melt solder"

Date: Thu, 25 Feb 1999 09:34:24 -0800

From: "Mont Pierce" <montp@synacom.com>

To: <rohre@arlut.utexas.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [34180] Re: Excessively long posts!

Message-ID: <016901be60e5\$15f7ef20\$72855fcf@unkown2.synacom.com>

Mime-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

From: rohre <rohre@arlut.utexas.edu>

>Sheeesh!

>Did no one hear Chuck Adams ask that requoting be kept

>to a minimum? Someone even goes and reposts all his

>Mercury paddle post!!!

That would be me... Sorry folks, I slipped up. :(

I'll try harder. 72, km6wt

Date: Thu, 25 Feb 1999 12:39:37 -0500
From: Rick Sealey <rsealey@InfoAve.Net>
To: qrp-l@lehigh.edu
Subject: [34181] NC20 - St. Luis Cases
Message-ID: <1.5.4.32.19990225173937.0066e334@mail.infoave.net>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

Anybody got a picture of the St. Luis Machine NC20 case posted for viewing?

Thanks,
Rick - W4SEA

Date: Thu, 25 Feb 1999 09:44:55 PST
From: "Greg Breeden" <al0a@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [34182] Postpone Subscription
Message-ID: <19990225174455.25261.qmail@hotmail.com>
Mime-Version: 1.0
Content-type: text/plain

Group:

I have Tried a number of times to postpone my QRP-L subscription for travel purposes.

I follow the instructions for sending commands to listserve@lehigh.edu and nothing happens. No error message, no bounced message and no postponing either.

Maybe someone could help me with this..

Thanks

Greg, AL0A

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Thu, 25 Feb 1999 13:02:52 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <kd1jv@moose.ncia.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [34183] Re: TRANSISTOR C2078
Message-ID: <01a001be60e9\$16a4d420\$9001a8c0@mikey>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

If you need these types of transistors, they are always available as 'one ups' from Radio Shack. Just order them for the finals as repair parts for CB sets.

Mike
N1DVJ

> uses an output transistor designated as a C2078. I am not 2SC2078 is indeed the full number. The 2S is never marked on Jap transistors.

BTW, you can tell what the transistor is by the first letter.
A = high freq PNP C = high freq NPN K = N channel FET
B = low freq PNP D = low freq NPN

Anyway, the C2078 does make a good qrp rig final. Easy to get 3-5 watts out of it with out a lot of drive.

Dalbani (1-800-325-2264) has them for \$0.89 each, \$0.80 in 10's. But thier min order is \$20.00, so maybe someone will do a group by?

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Thu, 25 Feb 1999 10:13:07 -0800
From: "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
To: <kc2dpt@yahoo.com>
Cc: "qrp-1" <qrp-1@lehigh.edu>
Subject: [34184] Re: Pixie2 help (long)
Message-ID: <19990225181436.FSDK12590@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Peter wrote:

>>>><This still might be the problem. I only have a dipole for 2m right now and no room for an 80m dipole. I'll figure something out. Probably have to go up to the roof.>

No matter what other problems you're having, a Pixie is a "marginal" rig --- i.e. when everything is working exactly as it is supposed to, then things are ok.

But trying to make a marginal 80M rig (which would be near optimum with a 137-foot long dipole antenna) work well with a 2m dipole (3-feet perhaps), is A MAJOR PROBLEM. You need a bigger antenna, and a better one. The best would be resonant size, i.e. 1/4 Wave Vertical, 1/2 Wave Horizontal, full-size Yagi, etc. -- but if that's a problem there are quite a few compromise antennas that can be built using loading coils, etc. Almost all of the compromise antennas should work better than a 2m dipole. If you have an ARRL handbook that would be a good place to start.

The best way to test is to 1) install a better antenna, or 2) try to find a "ham" with a good 80M antenna who might be able to help "elmer" you. You might ask on the list, using your address or zip code, seeking anyone within your area. If you put your Pixie on a good antenna, or use a signal generator to feed it a calibrated signal, then you can more easily determine what's wrong with it, and hence, what the fix is. Good luck and keep us posted.

Best 72/3 de alan

Alan Kaul, W6RCL, LaCanada-Flintridge, CA
<http://home.att.net/~alan.kaul/qrp.html>
alan.kaul@worldnet.att.net
w6rcl@amsat.org

Date: Thu, 25 Feb 1999 13:36:17 -0500
From: "J. Eric Jessen" <E.Jessen@orion-consulting.com>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [34185] big field day ops
Message-ID: <1C7185682F54D2119C7200104B2EE1F6083A6E@MAILMAN>
MIME-Version: 1.0
Content-Type: text/plain

> -----
> From: Chris Cartwright[SMTP:ccart@dns.vidtel.com]
> > Ever work a 23A at field day?
> Yep. every year there's a station in New Hampshire
> that runs 23A. I think it's N1NH. Anyways, they're
> always a big signal on the bands.
>
>
>Yowza!! That's a CW *and* SSB op on every band between 160 and 2
>meters!
>(or 900Mhz if you skip WARC) With one spot left over for the 2M FM
stuff.
>That would be 50 to 100 ops rotating through the chairs during field
day.
>Sounds like a logistics nightmare. Where do I sign up:)

But the WARC bands aren't used for Field Day.
> They're off limits, for the contest and scoring.
> So that means they are either
> on lots of other bands, or they run more than
> one transmitter per band/mode.
>
Field Day is like a rite of passage, almost a
defining moment if you will. Sort of like Dayton.
You just gotta do it. And battery powered QRP
is definitely the way to go.

73 de N8AUC,
Eric

Date: Thu, 25 Feb 1999 11:36:03 -0000
From: "Ray Pascoe" <ray@g3ioi.freemove.co.uk>
To: <listproc@lehigh.edu>, "Low Power Amateur Radio Discussion" <qrp-
1@lehigh.edu>, <mrpj@mindspring.com>

Subject: [34186] Re: Paragon on QRP
Message-ID: <000201be60ee\$ff4138e0\$316b883e@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Peter James <mrpj@mindspring.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: 22 February 1999 23:55
Subject: Paragon on QRP

>Does anyone know how to lower the power on a Ten Tec paragon? I think I've
>read that it only takes one resistor change in the ALC, but don't have any
>details. Can anyone help?
>Thanks. 73, 72, Pete, WM4U
>

Hi Pete and others who may need to know,
I got this info a couple of years ago from Don Trouty at TenTec Servicing
and it works.

It depends what the serial number of your Paragon is :-
The mod is to the 2nd mixer board and like you say it is just one resistor
Up to serial 497 you will find a 10k at pin 6 of U1B, just bridge it with a
4k7, without looking
inside my rig I think I used a 3k3 .
For serial 498 and later you will find a 100k at pin 6 of U1B, bridge it
with about 10k.
After the mod it may be necessary to make a slight adjustment to the ALC
pot. whilst looking
at a power meter to set the max power out.
On my rig which is one of the early ones, the power range is now 3 - 100
watts .
On a friends rig (one of the later serials) the power range is 1 - 95 watts
approx.
By bridging the existing resistor in the circuit its not necessary to take
the board out, just be
careful what you are doing with the soldering iron.
Have fun,
72 + 73,
Ray G3IOI

Date: Thu, 25 Feb 1999 11:46:21 -0700 (MST)
From: af852@rgfn.epcc.edu (William R Colbert)
To: k7gt@arrl.net, qrp-l@lehigh.edu
Subject: [34187] Re: Where to buy magnifier for NC20 assembly
Message-ID: <199902251846.LAA25477@rgfn.epcc.edu>

The one I have I bought at Hobby Lobby for about 15 dollars but recently I have seen them cheaper at some of the stores that cater to sewing crafts such as Clothworld/Hancock Fabrics (and other names in the chain), as well as other arts and crafts businesses. I think I also saw an ad recently from Harbor Freight tools, also for less than 15 dollars. The nice thing about these little magnifier lamps is that they use a standard incandescent lamp, which I find easier on the eyes. It is also smaller and makes less impact than the big fluorescent magnifiers.

Hope this may help.

73

Ray

--
Ray Colbert, W5XE
OOTC 3618, SOWP 1064M
El Paso, Tx (FAR WEST TEXAS!)
also: w5xe@juno.com

Date: Thu, 25 Feb 1999 11:59:31 -0800
From: Ray Colbert <af852@rgfn.epcc.edu>
To: wd4et@juno.com, qrp-l@lehigh.edu
Subject: [34188] Re: 73 URL
Message-ID: <36D5AB9B.2907@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Not QRP ;)

Just saw on CNN news that some enterprising person in Peterborough, NH happens to own a junk yard and is going to combine strippers to enhance the junkyard business - another Wayne Green enterprise?

--

Ray Colbert,
(also w5xe@juno.com)
El Paso, Texas (Far West Texas)

Date: Thu, 25 Feb 1999 12:12:06 -0700 (MST)
From: af852@rgfn.epcc.edu (William R Colbert)
To: wd4et@juno.com, qrp-1@lehigh.edu
Subject: [34189] Re: 73 URL
Message-ID: <199902251912.MAA00439@rgfn.epcc.edu>

Not QRP ;))
Just saw on CNN news that some enterprising person in Peterborough, NH
happens to own a junk yard and is going to combine strippers to
enhance the junkyard business - another Wayne Green enterprise?

--
Ray Colbert, W5XE
00TC 3618, SOWP 1064M
El Paso, Tx (FAR WEST TEXAS!)
also: w5xe@juno.com

Date: Thu, 25 Feb 1999 12:17:38 -0700 (MST)
From: James P Rybak <jrybak@mesa7.mesa.colorado.edu>
To: qrp-1@lehigh.edu
Subject: [34190] Best PC-based Scope and Spectrum Analyzer???
Message-ID: <Pine.OSF.3.91.990225121211.24118B-1000000@mesa7.mesa.colorado.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

What PC-based oscilloscope and spectrum analyzer hardware/software
combos seem to work the best? Has anyone tried the unit marketed by
Velleman which I saw advertised in the current issue of Electronics Now?

Thanks.

Jim Rybak W0KSD

Date: Thu, 25 Feb 1999 14:10:51 -0500
From: "Eugene Hall" <evhall@ix.netcom.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [34191] Re: Where to buy magnifier for NC20 assembly
Message-ID: <199902251917.NAA15703@dfw-ix5.ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Tech America currently has a special sale on these lamps...It uses a standard 60 watt bulb and has a 3 power lens. Without access to my flyer I think the price is \$12.50.

I bought one the last time I was in Atlanta and like it.

73 ... Gene ... NN7CK

Date: Thu, 25 Feb 1999 14:21:44 -0500
From: sergio <sruiz@bright.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [34192] dumb question..
Message-ID: <36D5A2C7.6EC1C297@bright.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

i am fairly new to the list, and i am infinitely clued out...

can someone answer this for me?

what exactly is all this fox business?

--
peace,
sergio
sruiz@bright.net
<http://www.bright.net/~sruiz>

"quoting other people is really lame and unoriginal.." - sergio

Date: Thu, 25 Feb 1999 19:40:42 -0000
From: "Graham Firth" <Graham.Firth@BTinternet.com>
To: "GQRP-L" <qgrp-l@blacksheep.org>, "qrp-l" <qrp-l@lehigh.edu>
Subject: [34193] Norcal-20
Message-ID: <000d01be60f6\$e8a1ed20\$02010080@graham>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi

Pleased to report that I have finished my NC20 and it works fine.

Tony (G4WIF) - who is visiting for the day, and I have worked easily into the continent (Germany and Austria) this afternoon getting good reports.

Congratulations to the team who organised it all. Those in the "third world" who are getting a kit will be highly delighted I am sure. There will be lots of new hams on the air soon.

72/3

Graham

(and Tony who is sitting with me!)

G3MFJ/W3MFJ & G4WIF/K4WIF

Hey - look at those calls!!!!

Date: Thu, 25 Feb 1999 13:44:04 -0600
From: "J. W. (Dub) Thornton" <dub@oklahoma.net>
To: qrp-l@lehigh.edu
Subject: [34194] Re: Mercury Paddle
Message-ID: <199902251946.NAA10356@ultra5.oklahoma.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

At 04:32 PM 2/24/99 -0500 Paul Christensen wrote:

>Many of us have been awaiting Bencher's release of the Mercury paddle.

If you have not done so, take a look at Don Hensley's offerings. =20

<<http://www.qsl.net/n9bor.htm>><http://www.qsl.net/n9bor.htm> They are very similar to the Mercury &

If these paddles play as well as they look, you dont have to wait for anything,=20

its here!

>

>Regarding the Mercury: At Hamvention '94, I tried the paddle, albeit only

>for a few minutes, and left with the feeling that repulsion rather than

>attraction would have been a better use of magnetism.=A0 Why?=A0 At wider

>contact spacings, I noticed that the initial force of the lever resulted in

>a slightly "sticky" feeling.=A0 However, I did not notice the effect at a

>close contact spacing.=A0

You are absolutely correct in the statement that at wider contact spacings the "feel" of the paddle suffers, tho it does take a wider spacing than most of us use to detect any difference in the fell. With the approx 1/2"= distance

from the pivot point of the paddle arm to the contacts, as opposed to the=20 almost 3" from pivot point to end of the finger paddles, it does not take a= =20

large spacing between the contact points, to give all the movement you=20 desire at the "finger" end of the paddles. I am not sure just what the spacing

between contacts is on mine, but I have to widen the contacts in order to get a piece of .0035 paper between them to clean the contacts. This might be a sore point, except that the points need cleaning so very rarely.

In talking with Steve, one of his design objectives was to get away from the feel of springs for the tension. He accomplished this objective in fine style,

as to me, the feel of the Mercury reminds me of a finely honed revolvers trigger action, with a crisp, sharp, snappy feel. While I find this feel to be

one=20

of the many pluses of this fine piece of workmanship, I realize it will not please

all. Guess that is a good thing, as only about 300 of them were made. "73"

-

J. W. (Dub) Thornton) WA5YFY

Minco, OK.

Date: Thu, 25 Feb 1999 19:35:37 +0000
From: paul brice-stevens <paul@g0wat.demon.co.uk>
To: qrp-l@lehigh.edu
Subject: [34195] WBL paddles
Message-ID: <cdzmnGAJYa12Ewrm@g0wat.demon.co.uk>
MIME-Version: 1.0

>Many of us have been awaiting Bencher's release of the Mercury paddle. Does
>anyone have any current information on their anticipated release date? In
>the interim, I just placed an order for the WBL V22 model.

Although only a very recent subscribee to the list, I have seen
mentioned of WBL paddles on a number of occasions. Would someone please
be kind enough to enlighten me further.

73/72

Paul G0WAT
G-QRP 8472

Date: Thu, 25 Feb 1999 12:49:22 -0700
From: "Alyn Backe" <ve6bpr@cnnnet.com>
To: "QRP-L" <qrp-l@lehigh.edu>, <sruiz@bright.net>
Subject: [34196] Re: dumb question..
Message-ID: <001401be60f7\$f1d1ce00\$9c06e5cf@laptop>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Check out the following URL for details:

<http://www.ptialaska.net/~bhopkins/akqrp/Foxhunt.html>

72/73, AL, VE6BPR.....dit dit
(Solar Powered QRP Station)

-----Original Message-----

<SNIP>

i am fairly new to the list, and i am infinitely clued out...

can someone answer this for me?

what exactly is all this fox business?

--

peace,

sergio

sruiz@bright.net

<http://www.bright.net/~sruiz>

"quoting other people is really lame and unoriginal.." - sergio

Date: Thu, 25 Feb 1999 13:53 -0600 (CST)
From: Saad Mahaini <Saad.Mahaini@MCI.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [34197] Re: Norcal-20
Message-ID: <19990225195519.MGFK12985@localhost>

Greetings,

Anyone with an extra unbuild NC20 for sale?

Also, what is the best kit out there for the money?

Tnx es 73s Saad KB6VIR/5 Dallas

Date: Thu, 25 Feb 1999 14:46:29 -0500
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [34198] QSL maker
Message-ID: <36D5A895.E5A665DD@hti.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sorry for the BW. I should have booked marked the site. What's the url for that free QSL maker program. I downloaded it and was going to use it until I added up the cost of the card stock and color ink for my Epson. But did you know you can get pre stamped blank post cards at the

post office. I want to check the program to see if it can print one card at a time. I think they cost 20 cents so it is like getting the card stock for free.

TIA

Ed AB8DF

Date: Thu, 25 Feb 1999 14:03:52 -0600
From: "J. W. (Dub) Thornton" <dub@oklahoma.net>
To: qrp-l@lehigh.edu
Subject: [34199] Re: Where to buy magnifier for NC20 assembly
Message-ID: <199902252005.0AA12249@ultra5.oklahoma.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:46 AM 2/25/99 -0700, you wrote:

>

>The one I have I bought at Hobby Lobby for about 15 dollars but recently

>I think I also saw an ad recently from Harbor Freight tools,

I have both types. Had the fluorescent model for over 25 years. I picked up a spare bulb for it when I got the lamp, but the bulb is still in its original package,

I have yet to replace the bulb in the lamp. I find the fluorescent jobbie to be much

preferable to the incandescent model for my taste. It has larger magnifying area,

bulbs last a LONG time, and it does not generate the heat the incandescent model does.

My wife does wood carving, or "whittlin". She first got the incandescent model,

but could not stand the heat it generated, with her hands under the light.

I have bought not less than 8 of the fluorescent models, for family/friends, over

the past three years, all from Harbor Freight. They frequently run them on sale

for \$29.95. Either model is a vast improvement over NO mag lamp. 73"

-

J. W. (Dub) Thornton) WA5YFY
Minco, OK.

Date: Thu, 25 Feb 1999 20:10:20 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [34200] Re: SWL needs top-notch radio
Message-ID: <36D5AE2C.3978@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Great Friends, thanks so much for the SW Radio information.
My co-worker, Ray, is very happy. I have forwarded each
email to him and also a quick hardcopy of some of my thoughts.

Basically the Sony IC-2010 looks great but is a bit large.
The Sony SW-100S looks like a winner too. He will investigate
whether he likes the idea of some of the wideband scanners
available too. I have included the URL passed to me that
should answer anyone else's questions as well.

Thanks a bunch gang.
Best to all. OH! I have postponed QRP-l for a while so
will accept email direct at this time.

72 de WE6W/6

Sent this and hardcopy summary to my friend:

>Ray, you can visit here and check out some of the
>radios. Also, you can Back up to the root page
>to look at wideband scanners or whatever. Hope this
>has been helpful.

<http://www.universal-radio.com/catalog/portable.html>

>Best of joy in radio.

-Ed Loranger

--

-Ed AR QRP Millennium QSO's=472/2000
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Thu, 25 Feb 1999 12:11:33 -0800
From: "Radman" <radman@best.com>
To: <k7gt@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [34201] Re: Where to buy magnifier for NC20 assembly
Message-ID: <199902252008.MAA24827@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Allan et al,

I bought a decent lighted magnifier from Office Max here in the Bay Area. Office Depot and Fry's also have many to chose from. Mine is the 60W incandescent bulb type -- OK, but it does run a little hot if you're using it for long periods. It cost around \$20.00. You might look at the fluorescent (ring type) magnifiers if you'll be using it for many hours -- much cooler in temp, but higher price. I'd give you the make/model of mine but I tossed the box and the lamp has NO markings on it -- some sort of import model I'd guess.

Another way to go is with binocular magnifiers -- a head band with the tip-up magnifier -- fits right over your RX glasses. These things are *really* great for checking PCB traces, solder joints, etc. Here's the make/model of the brand I got:

General Tool - Professional Binocular Magnifier.

Model: 950-3 = 1.75 power, focal dist = 14"
Model: 950-5 = 2.25 power, focal dist = 8"
Model: 950-7 = 2.75 power, focal dist = 6"

I opted for the 2.75X. Cost is \$24.95. Check with your local hardware or tool store -- OR, you can buy them in San Carlos at Tool Land. 650-631-9636.

GL es 72,

Conrad Weiss - NN6CW

Can someone from the SFBay area suggest a place to buy a reasonable quality lighted magnifier? Pleasanton/Livermore would be best, but anywhere in the Bay area would suffice.

Fry's? Model/make?

Thanks in advance!

Allan Taylor, PE K7GT
k7gt@arrl.net

Date: Thu, 25 Feb 1999 14:38:54 -0600 (CST)
From: "J. Medley" <jmedley@ix.netcom.com>
To: qrp-l@lehigh.edu
Subject: [34202] [Humor] Mailing Lists
Message-ID: <3.0.16.19990225204108.33af1b28@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Sorry about the bandwidth folks, but this just gave me a good case of the how-true-giggles. I hope it brightens your day too!

72,
Jan N0QT

Q: How many internet mail list subscribers does it take to change a light bulb?

A: 1,343 - 1 to change the light bulb and to post to the mail list that the light bulb has been changed;

14 to share similar experiences of changing light bulbs and how the light bulb could have been changed differently;
7 to caution about the dangers of changing light bulbs;
27 to point out spelling/grammar errors in posts about changing light bulbs;
53 to flame the spell checkers;
41 to correct spelling/grammar flames;
6 to argue over whether it's "lightbulb" or "light bulb";
another 6 to condemn those 6 as anal-retentive;
156 to write to the list administrator about the light bulb discussion and its inappropriateness to this mail list;
109 to post that this list is not about light bulbs and to please take this email exchange to litebulb-l;
203 to demand that cross posting to grammar-l, spelling-l and illuminati-l about changing light bulbs be stopped;
111 to defend the posting to this list saying that we all use light bulbs and therefore the posts *are* relevant to this mail list;
306 to debate which method of changing light bulbs is superior, where to buy the best light bulbs, what brand of light bulbs work best

for this technique and what brands are faulty;
27 to post URL's where one can see examples of different light bulbs;
14 to post that the URL's were posted incorrectly and the post the
corrected URL's;
3 to post about links they found from the URL's that are relevant to
this list which makes light bulbs relevant to this list;
33 to link all posts to date, then quote them including all headers
and footers and then add "Me too";
12 to post to the list that they are unsubscribing because they
cannot handle the light bulb controversy;
19 to quote the "Me too's" to say "Me three";
4 to suggest that posters request the light bulb FAQ;
44 to ask what is "FAQ";
4 to say "didn't we go through this already a short time ago on
Usenet?"
143 to ask "what's Usenet?"

Date: Thu, 25 Feb 1999 13:43:43 -0700
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: we6w@qsl.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [34203] Re: SWL needs top-notch radio
Message-ID: <36D5B5FE.D804BA02@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ed

Before it is too late have your friend get a copy of the most recent
Passport to World Band Radio (I think that is the title.). It contains
reviews of just about every SW radio in production. Also has
recommendations for best buys. Plus a lot of other good stuff.

Bruce kk7zz

>

On Thu, 25 Feb 1999, Edward A Kwik jr wrote:

73,

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715

"Paul's work at the observatory with PhD solar astronomers
>has given him the unique opportunity to learn about HF
>propagation

I'm sure the PhD's consider it a unique opportunity to learn from Paul!

73, Jeff

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 25 Feb 1999 12:58:45 -0800
From: Bill Jones <kd7s@psnw.com>
To: qrp-1@lehigh.edu
Subject: [34206] MINI-L:Update Information
Message-ID: <36D5B985.B6495C47@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Friends,
Ray Sommers (and others) have asked about the status of the
MINI-L project.

Despite the lack of updates from me, the project is still
alive and well. My 89 year old mother passed away the second
week in February and I have been covered up with a
combination of grief and busy work.

We have a wonderful design on the books and I am building a
prototype as we speak. I am excited about the possibilities
of this rig ... it is turning out even better than I first
envisioned.

Thank you for your patience. A lot of hard work by some
very talented people has gone into the project and IT WILL
BECOME A REALITY.

Date: Thu, 25 Feb 1999 15:15:43 -0600
From: Ron Keener <rkeener@realtime.net>
To: eakwikjr@hti.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [34207] Re: QSL maker
Message-ID: <36D5BD7F.68EF@realtime.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

sorry - stamped post cards at USPS are 21 cents - you pay 1 cent each for stock

ron wa0ree

Date: Thu, 25 Feb 1999 16:20:50 -0500
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: Chris Cartwright <ccart@dns.vidtel.com>, "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [34208] Re: QSL maker
Message-ID: <36D5BEB2.A66B70BC@hti.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks for the info. Lots of interest from the list on this. I will report to the list after I had some time to experiment.
Ed AB8DF

Chris Cartwright wrote:

>
> On Thu, 25 Feb 1999, Edward A Kwik jr wrote:
>
> > card at a time. I think they cost 20 cents so it is like getting the
> > card stock for free.
>
> Great idea! Let me know how you make out with the singles, I got a bunch
> to do!
>
> <http://users.tm.net/jjmcd/qslmake.htm>
>
> 72
>
> -- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
> -- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
> -- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Thu, 25 Feb 1999 16:28:26 EST
From: Kc7eay@aol.com
To: qrp-1@lehigh.EDU
Subject: [34209] Looking For 24Hr Clock
Message-ID: <60e43a80.36d5c07a@aol.com>
Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello QRPers

I know this is not QRP, but I'm looking for a 24Hr analog wall clock with a white face and black numbers. If anyone knows of where I could purchase one, it would be much appreciated. Thanks in advance.

72, Tim kc7eay
QRP-L # 1852
QRPP # 2423
QRP ARCI # 9872

P.S. The 38s is on the air with only a small THUMP, and the NC20 is on the bench just waiting for me to find the time to milt solder.

Date: Thu, 25 Feb 1999 16:34:35 EST
From: w4pj@w4bkx.ampr.org
To: qrp-l@lehigh.edu
Subject: [34210] Only QRP? (was Total QRP Commitment)
Message-ID: <53088@w4bkx.ampr.org>

One of the rules is: Use the minimum power necessary for reliable communications. Ham radio is not all - let's look for someone to chat with, see what DX we can work etc.. Sometimes communications are necessary to disaster areas, or from remote areas of the globe to family members at home or even to a ship (or other radio Op.) in distress. I want to be prepared to be of service if called upon. That means having a well equipped station, including KW+ amplifier and beam antennas. The KW made it possible to be of service several years ago when Hurricane Hugo raged through the Carribbean. I don't even want to think about what happened during Andrew. Mitch blew threw Cuba last year and I was able to work one QRPer running battery power and a simple wire. It wouldn't have been possible without good antennas. The point is, I intend to maintain a MAJOR LEAGUE station. It may prove to be the difference between life and death someday, God forbid. (Fingers xxx'd that never happens) But I don't know of any Single-A ballplayers who aren't striving to be in the Big Leagues. That doesn't mean there's not still a great satisfaction to be had hitting some fungos with the kids on a beautiful Spring -er- Spring Training <g> or Summer day just for fun.
de Scott / W4PJ Ft. Lauderdale, FL QRP-L #1585

Date: Thu, 25 Feb 1999 14:08:24 -0800
From: Mighty Mik <mitymik@hooked.net>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [34211] IC count for NC20...
Message-ID: <36D5C9D7.48EE62FB@hooked.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I need to know what the IC count for it is...so i can order sockets ;))

thanx

WD8MNV/6 MICK.

Date: Thu, 25 Feb 1999 16:09:58 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [34212] Re: Looking For 24Hr Clock
Message-ID: <199902252209.QAA06341x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Thu, 25 Feb 1999 16:28:26 EST, Kc7eay@aol.com wrote:

> I know this is not QRP, but I'm looking for a 24Hr analog wall clock
> with a white face and black numbers. If anyone knows of where I could purchase
> one, it would be much appreciated. Thanks in advance.

Seems like I saw one of these in a recent MFJ catalog. You may want to check
their web site: <http://www.mfjenterprises.com>

73 Jeff W4JEF

----- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 -----
jeffj@scott.net w4jef@amsat.org	Reserve Patrol Captain
Satellite: Mir R0MIR-1, AO-27	Jefferson County Sheriff's Dept
200LX+BayPac+FT50=Portable Packet	QTH Birmingham, AL USA

Date: Thu, 25 Feb 1999 14:06:31 -0800
From: "Dasher, Mark" <DasherM@IRWIN.ARMY.MIL>
To: "'QRP List'" <qrp-l@Lehigh.EDU>
Subject: [34213] Digital Storage Scope
Message-ID: <1A1C5F8ACE83D21181D20060081F34C613E231@IRWEXCH12>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

The latest Tech America flyer has a velleman digital storage scope listed. I have been looking to by an oscilloscope. Is this a good "in lieu of". What specs should one look at on a digital scope.

Thanks

Mark - AD6GT

Date: Thu, 25 Feb 1999 17:27:16 -0500 (EST)
From: "L. Jeffrey Hetherington" <jhetheri@npiec.on.ca>
To: Canadian QRP List <qrp-canada@lists.gpfn.sk.ca>, Multiple Recipients of List <qrp-l@lehigh.edu>
Subject: [34214] Heathkit CM-1 Capacity Meter Info?
Message-ID: <Pine.SGI.3.96.990225172444.3399A-100000@nev.npiec.on.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Everybody!

After a successful local flea market, I now find myself the owner of a Heathkit CM-1 Capacity Meter. Finally, I can find the value of some of my unmarked caps!!

After plugging the unit into the wall and letting it warm up, I proceeded to let all the smoke out of the unit ... 8(

Does anybody have a manual/schematic for this oldie? I would gladly pay for reproduction fees and postage.

Thanx.

Jeff - VA3JFF

<http://www.geocities.com/Colosseum/2572/QRP.html>

=====
L. JEFFREY HETHERINGTON

Niagara Falls, Ontario, Canada
Email: VA3JFF@rac.ca

Date: Thu, 25 Feb 1999 15:28:53 -0800
From: Norm Melick <henmel@worldnet.att.net>
To: Kc7eay@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [34215] Re: Looking For 24Hr Clock
Message-ID: <36D5DCB5.BBCC1853@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Don't know about the analog display, but I saw a great looking wall clock at Radio Shack. Shows 12 or 24 hr. time, month, day, date, and temperature, which is switchable between celsius and Fahrenheit.

It has large display (5.9"), is white with a black LCD.

Part #63-972/\$49.99

Looks really neat.

Norm/KQ6SD

Date: Thu, 25 Feb 1999 17:52:51 -0800
From: Charles Kadesch <chas@digizen.net>
To: qrp-l@lehigh.edu
Subject: [34216] Re: Scout 555 to 556 Mod
Message-ID: <36D5FE73.381F@digizen.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

By adding a turn to the primary of T1 (SWR/ALC toroid) it is possible to use the built in SWR/Power Meter with the amp bypassed- at least on early Scouts.

-72 de Chas W3KC-

Date: Thu, 25 Feb 1999 18:41:49 -0500
From: Rick Wilson <rickw@cfw.com>
To: qrp-l@Lehigh.EDU
Subject: [34217] NC20 AFA problem
Message-ID: <36D5DFBD.6333D88A@cfw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Completed the NC20 recently. Very nice receiver and the output is near 7 watts. After a short while I noticed the receiver was not muting when SW1 or SW2 was pressed. Then the next day the AFA stopped operating. All the DC and AC voltages were normal when the kit was first completed.

Now I have 2.5 volts DC on pins 5 & 6 on U10 and the only AC at U10 is 3 volts p-p @ 5MHz at pins 5 & 6. Thanks in advance for any suggestions.
73, Rick N3KRS

End of QRP-L Digest 1378

